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POMONA COLLEGE BULLETIN

ANNUAL CATALOG NUMBER

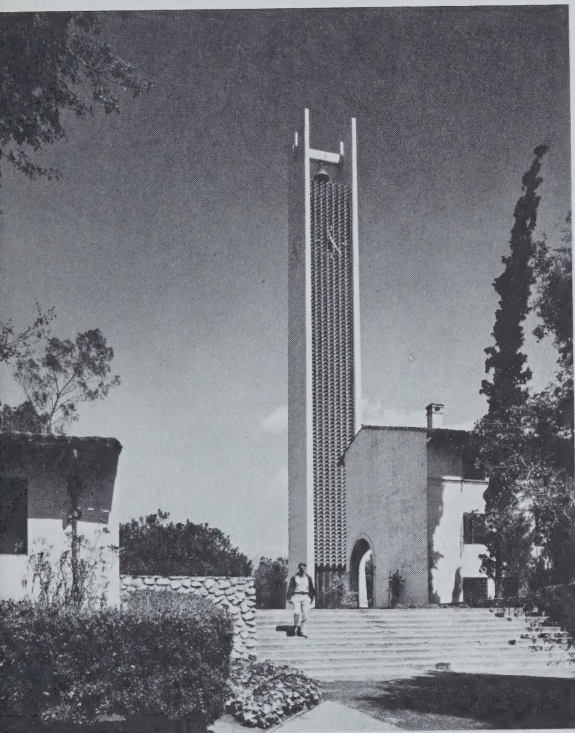
1967-1968

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COLLEGE
BULLETIN

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Annual Catalog



1967

1968

POMONA COLLEGE

Claremont

California

CALENDAR FOR 1967

JANUARY							FEBRUARY							MARCH							APRIL						
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CALENDAR FOR 1968

JANUARY							FEBRUARY							MARCH							APRIL						
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MAY							JUNE							JULY							AUGUST						
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SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
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COLLEGE CALENDAR FOR 1967-1968

First Semester

SEPTEMBER 22, FRIDAY	Faculty Meeting, 2:30 p.m. Residence halls open to new students only. First meal served, dinner at 6 p.m.
SEPTEMBER 22-25	Program for new students.
SEPTEMBER 25, MONDAY	Conference day and registration for new students.
SEPTEMBER 26 AND 27, TUESDAY AND WEDNESDAY	Residence halls open for returning students. Only those returning students who have been officially requested to arrive in Claremont earlier may be admitted to campus residence before this date. First meal served to returning students, breakfast, Tuesday. Registration for returning students.
SEPTEMBER 28, THURSDAY	First semester classes begin, 8 a.m. Opening Convocation, 11 a.m.
OCTOBER 9, MONDAY	Last day for entering classes.
OCTOBER 17, TUESDAY	Founders Day Convocation, Flame Ceremony, 11 a.m.
OCTOBER 28, SATURDAY	Parents Day.
NOVEMBER 18, SATURDAY	Homecoming Day.
NOVEMBER 2, THURSDAY	Final day for withdrawal from classes without penalty.
NOVEMBER 17, FRIDAY	Low grade reports due.
NOVEMBER 22, WEDNESDAY	Thanksgiving recess begins, 9 p.m.
NOVEMBER 27, MONDAY	Thanksgiving recess ends, 8 a.m.
DECEMBER 19, TUESDAY	Christmas vacation begins, 9 p.m.
JANUARY 3, WEDNESDAY	Christmas vacation ends, 8 a.m.
JANUARY 25, THURSDAY	Last day of classes for all students.
JANUARY 29, MONDAY	Final examinations begin.
FEBRUARY 7, WEDNESDAY	Final examinations end.
FEBRUARY 10, SATURDAY	First semester ends.

COLLEGE CALENDAR FOR 1967-1968

Second Semester

FEBRUARY 12, MONDAY	Second semester classes begin, 8 a.m. Registration for all students.
FEBRUARY 13, TUESDAY	Continued registration for all students.
FEBRUARY 20, TUESDAY	Second Semester Convocation, 11 a.m.
FEBRUARY 22, THURSDAY	Last day for entering classes.
MARCH 18, MONDAY	Final day for withdrawal from classes without penalty.
APRIL 1, MONDAY	Low grade reports due.
APRIL 6, SATURDAY	Spring vacation begins, noon.
APRIL 15, MONDAY	Spring vacation ends, 8 a.m.
MAY 24 AND 25, FRIDAY AND SATURDAY	Hour examinations for Seniors only (optional with instructors). No classes for Seniors after May 25.
MAY 28, TUESDAY	Last day of classes.
MAY 30, THURSDAY	Memorial Convocation. Comprehensive examinations.
MAY 31, FRIDAY	Final examinations begin.
JUNE 1, SATURDAY	Comprehensive examinations.
JUNE 8, SATURDAY	Final examinations end.
JUNE 9, SUNDAY	Baccalaureate Service, 11 a.m. Commencement, 4:30 p.m.

BOARD OF TRUSTEES

OFFICERS

R. J. Wig, *Chairman Emeritus*

Robert B. Coons, *Chairman*

Ranney C. Draper, *Vice-Chairman*

Leonard A. Shelton, *Vice-Chairman*

H. Russell Smith, *Vice-Chairman*

TRUSTEES

E. Wilson Lyon, *President of the College*

TERM OF OFFICE EXPIRES:

JUNE, 1968

Cyril Chappellet, *Pebble Beach*

James M. Gerstley, *Woodside*

Mrs. Victor Montgomery,
Beverly Hills

Morris B. Pendleton, *San Marino*

Samuel R. Raymond, *Los Angeles*

Edward E. Tuttle, *Pasadena*

JUNE, 1969

Robert B. Coons, *Los Angeles*

John W. Dodds, *Palo Alto*

Ranney C. Draper, *Monrovia*

Paul Fussell, *Pasadena*

Albert H. MacLeod, *Chicago, Illinois*

Maurice H. Stans, *New York, N.Y.*

JUNE, 1970

Edwin F. Hahn, Jr., *Pasadena*

Herbert S. Rempel, *Pasadena*

Mrs. Frank R. Seaver, *Los Angeles*

Leonard A. Shelton, *Claremont*

Charles B. Stauffacher,
New York, N.Y.

JUNE, 1971

Adam Y. Bennion, *San Marino*

William H. Fellows, *San Marino*

Yale B. Griffith, *Santa Barbara*

Karl B. Rodi, *Beverly Hills*

H. Russell Smith, *San Marino*

Francis M. Wheat, *Chevy Chase, Md.*

JUNE, 1972

Lawrence T. Cooper, *Altadena*

Rollin Eckis, *Bradbury*

Robert V. Edwards, *Arcadia*

Edward Lasker, *Los Angeles*

Louis B. Lundborg, *San Marino*

Robert R. Sprague, *Los Angeles*

HONORARY MEMBERS

Frederick S. Bale, *Pasadena*

W. P. Fuller Brawner, *Hillsborough*

George W. Bryant, *San Marino*

William W. Clary, *Pasadena*

Charles Detoy, *Pasadena*

Charles E. Donnelly, *Los Angeles*

George L. Eastman, *Hollywood*

Mary Clark Eversole, *Santa Barbara*

Allen F. Hawley, *Claremont*

William B. Himrod, *Los Angeles*

S. Rodman Irvine, *Beverly Hills*

Ernest E. Jones, *Claremont*

Mrs. Valley M. Knudsen, *Glendale*

George R. Martin, *Los Angeles*

Arthur J. McFadden, *Santa Ana*

Seeley G. Mudd, *San Marino*

Fred W. Smith, *Ojai*

R. J. Wig, *Pasadena*

EX-OFFICIO MEMBERS

President of Claremont Graduate
School and University Center

President of the Alumni Association

President of the Women's Campus
Club

President of the Pomona College
Associates

FORMER PRESIDENTS OF THE COLLEGE

Cyrus G. Baldwin, 1890-1897

George A. Gates, 1901-1910

Franklin L. Ferguson, 1897-1901

James A. Blaisdell, 1910-1928

Charles K. Edmunds, 1928-1941

GENERAL ADMINISTRATION

1967-68

ELIJAH WILSON LYON, C.B.E., <i>President</i> B.A., University of Mississippi; B.A., M.A., B.Litt., University of Oxford; Ph.D., University of Chicago; D.Litt., Occidental College; L.H.D., Trinity College; LL.D., Colgate University, University of California, Grinnell College, Claremont Men's College, College of Idaho.	<i>Sumner Hall</i>
RICHARD T. NIMMONS, <i>Vice-President for Administration and Development</i> B.A., Pomona College.	<i>Sumner Hall</i>
JOHN WHITE HARTLEY, <i>Treasurer and Business Manager</i> B.A., M.B.A., Stanford University.	<i>Pendleton Bldg.</i>
RICHARD C. HILL, <i>Controller</i> B.A., Pomona College; M.B.A., Stanford University.	<i>Pendleton Bldg.</i>
CHARLES M. CRAWFORD, JR., <i>Assistant Treasurer</i> B.S., University of Southern California.	<i>Pendleton Bldg.</i>
JOHN M. HARTKE, <i>Assistant Treasurer</i>	<i>Pendleton Bldg.</i>
R. COLEMAN GAY, <i>Director of Estate Planning</i> B.A., Pomona College; LL.B., Harvard University.	<i>Sumner Hall</i>
RONALD D. NORDEEN, <i>Assistant Director of Estate Planning</i> B.A., Pomona College.	<i>Sumner Hall</i>
DOUGLAS F. SCOTT, <i>Assistant Vice-President for Development</i> Student at University of Washington.	<i>Sumner Hall</i>
WILLIAM D. SEELYE, <i>Director of Alumni Relations</i> B.A., Pomona College.	<i>Sumner Hall</i>
MORTON C. JOHNSON, <i>Director of Development</i> B.A., Pomona College.	<i>Sumner Hall</i>
GEORGE F. SWEENEY, <i>Director of the News Bureau</i> Student at University of Minnesota.	<i>Sumner Hall</i>
F. FRANK LA HORGUE, <i>Assistant to the President</i> B.A., Pomona College; M.B.A., University of California, Berkeley.	<i>Sumner Hall</i>
STEPHEN A. WELLS, <i>Director of Residence and Dining Halls</i> B.A., Michigan State University.	<i>Clark Hall</i>
CENA J. MOORMAN, <i>Food Service Manager</i> Student at Iowa State University.	<i>Frery Hall</i>
ELLAMAY R. SOLOSTH, <i>Residence Halls Manager</i>	<i>Blaisdell Hall</i>
GEORGE W. CONN, <i>Campus Engineer</i> B.S., Bradley University.	<i>303 E. First St.</i>

Emeriti

Date denotes beginning of original term of service.

ADMINISTRATION AND FACULTY

- VIRGINIA PRINCEHOUSE ALLEN 175 E. Twelfth St.
Associate Professor of Dramatics, 1930; Emeritus, 1962.
B.A., Pomona College; Graduate Study, Department of Drama, Yale University;
M.A., Claremont Graduate School.
- WALTER ALFRED ALLEN 175 E. Twelfth St.
Professor of Musical Theory and Appreciation, 1912; Emeritus, 1952.
B.A., Beloit College; B.Mus., Yale University; Associate, American Guild of
Organists.
- CARL BAUMANN 1148 Baughman Ave.
Professor of German, 1931; Emeritus, 1967.
Ph.D., University of Basel.
- SHELTON L. BEATTY 479 Stanford Dr.
Dean of Students, 1965; Dean of Men, 1949; Emeritus, 1967.
B.A., University of Tennessee; M.A., Cornell University; Ph.D., Stanford Uni-
versity.
- CH'EN SHOU-YI 769 W. Ninth St.
Professor of Chinese Culture, 1941; Emeritus, 1967.
B.A., Lingnan University; Ph.D., University of Chicago; Fellow of the Academia
Sinica.
- JAMES WHITE CROWELL P.O. Box 634, Lucerne Valley
Professor of Romance Languages, 1929; Emeritus, 1954.
B.S., M.A., Haverford College; Ph.D., Cornell University.
- MARGARET GAY DAVIES 395 S. Bonnie Ave., Pasadena
Professor of History, 1952; Emeritus, 1967.
B.A., M.A., Ph.D., Radcliffe College.
- ROBERT SIDNEY ELLIS 11768 Preston Lane, Yucaipa
Professor of Psychology, 1931; Emeritus, 1956.
B.A., University of Arkansas; Ph.D., Clark University.
- KENNETH G. FISKE 585 W. Twelfth St.
Professor of Music, 1936; Emeritus, 1967.
B.Mus., M.Mus., American Conservatory of Music; Pupil of Leon Sametini,
Jacques Gordon, Otokar Sevcik.
- CHARLES TABOR FITTS 650 W. Harrison Ave.
Professor of Education, 1919; Emeritus, 1948.
B.A., Amherst College; M.A., University of California, Berkeley; Graduate Study,
Harvard University.
- ALLEN F. HAWLEY 132 W. Eighth St.
Vice-President, 1938; Emeritus, 1962.
B.A., Pomona College; Graduate Student, Harvard University; LL.D., Pomona
College.
- COLVIN HEATH 750 Indian Hill Blvd.
Associate Professor of Physical Education for Men, 1922; Emeritus, 1956.
B.A., Pomona College; M.A., Stanford University.

- HUBERT HERRING 765 Indian Hill Blvd.
Professor of Latin American Civilization, 1945; Emeritus, 1958.
 B.A., Oberlin College; M.A., Columbia University; Graduate, Union Theological Seminary; LL.D., Claremont Graduate School.
- WILLIAM ATWOOD HILTON 1263 Dartmouth Ave.
Professor of Zoology, 1905; Emeritus, 1944.
 B.S., Ph.D., Cornell University.
- FRANCIS RAYMOND IREDELL 1060 N. College Ave.
Dean of the Faculty, and Professor of Philosophy, 1925; Emeritus, 1959.
 B.A., Pomona College; M.A., Ph.D., Harvard University.
- CHESTER GEORGE JAEGER 4456 Oak Lane
Professor of Mathematics, 1931; Emeritus, 1961.
 B.A., B.S., M.A., Ph.D., University of Missouri.
- AGNES M. JOHNSON 460 W. Tenth St.
Executive Secretary to the President, 1925; Emeritus, 1967.
 M.A., Pomona College.
- ERNEST E. JONES 905 College Ave.
Treasurer, 1909; Emeritus, 1950.
 B.A., Pomona College.
- ELLIOTT CURTIS LINCOLN 472 W. Tenth St.
Professor of English, 1924; Emeritus, 1949.
 B.A., Colby College; M.A., State College of Washington, and Harvard University.
- EARL JAY MERRITT Box 306, Glendora
Professor of Physical Education for Men, 1925; Emeritus, 1961.
 B.A., Pomona College; M.A., Claremont Graduate School.
- EUGENE WHITE NIXON 1351 Tulane Rd.
Professor of Physical Education for Men, 1916; Emeritus, 1950.
 B.A., Monmouth College; M.A., Columbia University; Graduate Study, University of Illinois, University of California, Berkeley Campus.
- WILLIAM V. SHANNON 4397 Palo Verde, Montclair
Treasurer, 1950; Emeritus, 1966.
 B.S., Virginia Military Institute.
- ROBERT LOBINGIER STREHLE 1019 Dartmouth Ave.
Professor of Physical Education for Men, 1923; Emeritus, 1961.
 B.A., Pomona College; M.A., Claremont Graduate School; Graduate study, University of Southern California, University of California, Berkeley, and Stanford University.
- EMILIE ELIZABETH WAGNER 783 W. Tenth St.
Associate Professor of German, 1928; Emeritus, 1957.
 B.A., Smith College; M.A., Pennsylvania State College; Doctorat de l'Université mention Lettres, Toulouse.
- WALTER TICKNOR WHITNEY 710 W. Ninth St.
Professor of Astronomy, 1929; Emeritus, 1954.
 B.S., M.S., Pomona College; Ph.D., University of Chicago.
- ALFRED OSWALD WOODFORD 760 W. Ninth St.
Professor of Geology, 1915; Emeritus, 1955.
 B.A., Pomona College; Ph.D., University of California, Berkeley.

The Faculty

Date denotes beginning of original term of service.

ADMINISTRATIVE OFFICERS

- ELIJAH WILSON LYON, C.B.E. 345 N. College Ave.
President, 1941.
B.A., University of Mississippi; B.A., M.A., B.Litt., University of Oxford; Ph.D., University of Chicago; Litt.D., Occidental College; L.H.D., Trinity College;
LL.D., Colgate University, University of California, Grinnell College,
Claremont Men's College, College of Idaho.
- ERNEST ALBERT STRATHMANN 760 W. Tenth St.
Dean of the Faculty, 1959; Professor of English, 1932.
B.A., M.A., Ph.D., Johns Hopkins University.

OFFICES OF DEANS AND REGISTRAR

- JEAN B. WALTON 562 Baughman Ave.
Dean of Women on the Martha N. Hathaway Fund, 1949.
B.A., Swarthmore College; M.A., Brown University; Ph.D., University of Pennsylvania.
- ROGER J. BELL 156 E. Seventh St.
Dean of Men, 1967.
B.A., University of California at Los Angeles; M.A., Graduate School of Public Affairs, University of Washington; doctoral candidate, University of Washington.
- MASAGO ARMSTRONG 4003 N. Garey Ave., La Verne
Registrar, 1955.
B.A., M.A., Stanford University.
- LEON L. COWLES Oldenburg Center
Director of Oldenburg Center, 1966.
B.A., University of Utah; M.Ed., University of Southern California.
- BEVERLY BRICE
Assistant Dean of Women; Social Director of Women's Campus, 1967.
B.A., Whitman College; M.A., Cornell University.
- BRUCE B. ROBERTS
Assistant Dean for Student Affairs, 1967.
B.S., M.Ed., Oregon State University; doctoral candidate, Claremont Graduate School.
- FORREST A. ALDRICH Clark Hall
Assistant Dean of Men; Social Director of Men's Campus, 1967.
B.A., Wheaton College; B.D., San Francisco Theological Seminary.

OFFICE OF ADMISSIONS

- WILLIAM L. WHEATON 310 Radcliffe Dr.
Director of Admissions, 1949.
B.A., Pomona College; M.A., New York University.
- HERBERT B. SMITH 777 W. Ninth St.
Director of Financial Aid and Associate Director of Admissions, 1952.
B.A., M.A., University of Iowa; Ph.D., University of California, Berkeley.

MICHAEL R. HARRIS 1028 N. College Ave.
Assistant Director of Admissions, 1964.
 B.A., M.A., Ph.D., Stanford University.

HARRY TUTTON, JR.
Visiting Admissions Counselor, first semester 1967.
 B.A., Yale College; M.A. candidate, University of California, Berkeley.

LIBRARY

WALTER E. NILUS 2485 Sierra Dr., Upland
Acting Librarian, 1967.
Assistant Librarian, 1957.
 Magister Philosophiae, University of Tartu, Estonia.

HEALTH SERVICE AND COUNSELING

MYRON G. CHAPMAN 537 W. Eighth St.
Physician of The Claremont Colleges, 1961.
 Ph.B., B.S., M.D., University of Chicago.

ROBERT W. EDWARDS 723 Purdue Dr.
Physician of The Claremont Colleges, 1962.
 B.A., Dartmouth College; M.D., University of Kansas.

STUART D. WHETSTONE 694 Spruce, Upland
Physician of The Claremont Colleges, 1967.
 M.B., M.D., University of Minnesota.

KAREM J. MONSOUR
Director of The Claremont Colleges Counseling Center, 1967.
 B.A., M.D., University of Nebraska.

COLLEGE CHURCH

EDGAR C. RECKARD, JR. 710 N. College Ave.
Chaplain of The Claremont Colleges, 1958.
 B.A., Yale University; B.D., Yale Divinity School; graduate study, University of Edinburgh.

COMPUTER CENTER

COLIN HALDENBY 1683 Akron Place
Director of Computer Center, 1966.
 B.Sc., University of Manchester, England.

PLACEMENT

ELVA F. BROWN 852 W. Bonita Ave.
Director of Placement, 1963.
 B.A., M.A., University of California, Berkeley.

PROFESSORS

C. FREEMAN ALLEN³ 394 E. Blaisdell Dr.
Professor of Chemistry, 1954.
 B.S., University of California, Berkeley; Ph.D., University of Wisconsin.

YOST U. AMREIN 456 Harrison Ave.
Willard George Halstead Professor of Zoology, 1951.
 B.A., M.A., Ph.D., University of California at Los Angeles.

- MORTON O. BECKNER 132 W. Twelfth St.
Professor of Philosophy, 1957.
 B.A., University of California at Santa Barbara; M.A., Ph.D., Columbia University.
- GRAHAM B. BELL 1482 Wells St.
Professor of Psychology, 1956.
 B.A., Wesleyan University; M.A., Ph.D., Northwestern University.
- LYMAN BENSON 1430 Via Zurita
Henry Kirke White Bent Professor of Botany, 1944.
 B.A., M.A., Ph.D., Stanford University.
- FREDERICK BRACHER 230 W. Seventh St.
Arthur M. and Fanny M. Dole Professor of English, 1944.
 B.S., Oregon State University; M.A., Ph.D., University of California, Berkeley.
- HARRY JOSEPH CARROLL, JR. 1143 Oxford Ave.
Edwin Clarence Norton Professor of Classics, 1948.
 B.A., University of Akron; M.A., Ph.D., Harvard University.
- KENNETH L. COOKE 654 Northwestern Dr.
Joseph N. Fiske Professor of Mathematics, 1957.
 B.A., Pomona College; M.A., Ph.D., Stanford University.
- ROBERT L. FERM 248 W. Seventh St.
John Knox McLean Professor of Religion, 1958.
 B.A., College of Wooster; B.D., Yale Divinity School; M.A., Ph.D., Yale University.
- CHARLES A. FOWLER, JR.³ 366 Blaisdell Dr.
Seeley W. Mudd Professor of Physics, 1947.
 B.A., M.S., University of Utah; Ph.D., University of California, Berkeley.
- RAY FRAZER 1102 N. College Ave.
Professor of English, 1952; Editor of POMONA TODAY, 1964.
 B.A., Pomona College; M.A., Ph.D., University of California, Berkeley.
- JOHN HOWES GLEASON 512 Baughman Ave.
Warren Finney Day Professor of History, 1939.
 B.A., Ph.D., Harvard University; B.Litt., University of Oxford.
- HUGH J. HAMILTON 468 Grinnell Dr.
Professor of Mathematics, 1936.
 B.A., University of California at Los Angeles; M.A., Ph.D., Brown University.
- CORWIN HERMAN HANSCH 4070 Olive Knoll Place
Professor of Chemistry, 1946.
 B.S., University of Illinois; Ph.D., New York University.
- CHARLES SHIVELEY HOLMES 1010 Berkeley Ave.
Professor of English, 1941.
 B.A., Oberlin College; Ph.D., Princeton University.
- WILLIAM THOMAS JONES 4201 Via Padova
Robert C. Denison Professor of Philosophy, 1938.
 B.A., Swarthmore College; B.Litt., University of Oxford; Ph.D., Princeton University.
- GRETCHEN GRAF JORDAN 354 Blaisdell Dr.
Professor of English, 1947.
 B.A., M.A., Ohio State University; Ph.D., University of California at Los Angeles.

- JOHN HASKELL KEMBLE 452 W. Sixth St.
John Sutton Miner Professor of History, 1936.
 B.A., Stanford University; M.A., Ph.D., University of California, Berkeley.
- KARL GEORGE KOHN 674 W. Tenth St.
Professor of Music, 1950.
 B.A., M.A., Harvard University
- THOMAS E. LASSWELL 875 Hillcrest Dr., Pomona
Professor of Sociology, University of Southern California.
Visiting Professor of Sociology, 1967.
 B.A., Arkansas College; M.S., Ph.D., University of Southern California.
- ROBERT F. LEGGEWIE 4412 Rhodelia Ave.
Professor of Romance Languages, 1951.
 B.S., Loyola University; M.A., University of Southern California; M.A., Ph.D., Harvard University.
- EDWARD W. MALAN 877 Ottawa Dr.
Professor of Physical Education for Men and Director of Athletics, 1950.
 B.A., Pomona College; M.A., Claremont Graduate School; Ed.D., University of California at Los Angeles.
- LEE CAMERON McDONALD 239 West Eleventh St.
Professor of Government, 1952.
 B.A., Pomona College; M.A., University of California at Los Angeles; Ph.D., Harvard University.
- DONALD B. MCINTYRE 625 W. Twelfth St.
Professor of Geology, 1954.
 B.Sc., Ph.D., D.Sc., University of Edinburgh.
- JACK C. MILLER Frank P. Brackett Observatory
Professor of Physics, 1952.
 B.A., Pomona College; M.A., University of California, Berkeley; D.Phil., University of Oxford.
- FREDERICK LUDWIG MULHAUSER, JR. 1175 N. College Ave.
Phebe Estelle Spalding Professor of English, 1941.
 B.A., College of Wooster; M.A., Ph.D., Yale University.
- NORMAN T. NESS
Elden Smith Professor of Economics, February, 1968.
 B.A., Carleton College; M.A., University of California, Berkeley; Ph.D., Harvard University.
- WALTER T. OGIER 717 W. Eighth St.
Professor of Physics, 1960.
 B.S., Ph.D., California Institute of Technology
- EDWIN ALLEN PHILLIPS 1201 N. College Ave.
Professor of Botany, 1948.
 B.A., Colgate University; M.A., Ph.D., University of Michigan.
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Professor of History, 1958.
 B.A., Swarthmore College; M.A., Ph.D., Princeton University.
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Professor of Romance Languages, 1957.
 B.A., Drury College; M.A., Washington University; Ph.D., Tulane University.

- WILLIAM F. RUSSELL 382 E. Blaisdell Dr.
David J. Baldwin Professor of Music, 1951.
 B.A., Columbia University; M.A., Harvard University.
- DWIGHT LEONARD RYERSON³ 472 Cedar Crest Ave.
Professor of Zoology, 1946.
 B.A., M.S., University of Arizona; Ph.D., University of California at Los Angeles.
- BOWEN N. SMITH
Professor of Military Science, 1967.
 B.S., University of Maryland; Graduate, U. S. Army Command and General Staff College; Advance Course, U. S. Army Artillery School; Instructor, U. S. Army Anti-Aircraft and Guided Missiles School, Fort Bliss, Texas; Colonel, Artillery, U. S. Army.
- R. NELSON SMITH 115 Brown Dr.
Carnegie Professor of Chemistry, 1945.
 B.A., Pomona College; M.A., Ph.D., Stanford University.
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Professor of Philosophy, 1952.
 B.A., Stanford University; M.A., Ph.D., Yale University.
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Professor of Mathematics, 1947.
 B.S., M.S., University of Chicago; Ph.D., Brown University.
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Professor of Government, 1945.
 B.A., St. Olaf College; M.A., University of Iowa; Ph.D., University of Chicago.
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Professor of English, 1949.
 B.A., D.Litt., Cornell College; M.A., Harvard University; D.Phil., University of Oxford.
- HOWARD THOMAS YOUNG³
Professor of Romance Languages, 1954.
 B.S., M.A., Ph.D., Columbia University.

ASSOCIATE PROFESSORS

- CARLLY L. ALTON 1129 Del Norte, Pomona
Associate Professor of Military Science, 1965.
 B.S., Prairie View A & M College, Prairie View, Texas; Major, Infantry, U.S. Army Reserve.
- WALTER E. AMBORD 419 Cedar Crest Ave.
Associate Professor of Physical Education for Men, 1960.
 B.A., M.A., Los Angeles State College.
- WILLIAM D. ANDRUS 231 W. Tenth St.
Associate Professor of Zoology, 1960.
 B.A., Oberlin College; Ph.D., Stanford University.
- ALEXANDER K. BAIRD 3851 Finecroft Dr.
Associate Professor of Geology, 1958.
 B.A., Pomona College; M.A., Claremont Graduate School; Ph.D., University of California, Berkeley.

- RICHARD G. BARNES³ 6300 Wheeler, La Verne
Associate Professor of English, 1961.
 B.A., Pomona College; M.A., Harvard University; Ph.D., Claremont Graduate School.
- ALVIN L. BEILBY 144 Brown Dr.
Associate Professor of Chemistry, 1958.
 B.A., San Jose State College; Ph.D., University of Washington.
- DONALD L. BENTLEY 1826 Roanoke Dr.
Associate Professor of Mathematics, 1964.
 B.S., M.S., Ph.D., Stanford University.
- WILLIAM G. BLANCHARD 1495 Via Zurita
Associate Professor of Music and College Organist, 1936.
 B.Mus., DePauw University; M.Mus., University of Michigan; further study with Carl Weinrich and Hugh Porter in Organ and with Seth Bingham in Composition.
- MARGERY SMITH BRIGGS 4549 Live Oak Dr.
Associate Professor of Music, 1943.
 B.Mus., B.Mus.Ed., M.Mus., Chicago Musical College.
- HANS-DIETER BRUECKNER Clark Hall
Associate Professor of German, 1962.
 B.A., M.A., Ph.D., University of California, Berkeley.
- ELIZABETH CAWTHORNE 512 Northwestern Dr.
Associate Professor of Physical Education for Women, 1935.
 B.A., M.A., University of California, Berkeley.
- ROBERT J. CHAMBERS Norton Hall
Associate Professor of Astronomy on the Frank P. Brackett Foundation, and Director of the Observatory, 1963.
 B.Sc., University of Washington; Ph.D., University of California, Berkeley.
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Associate Professor of Art, 1964.
 B.A., M.A., Ph.D., Harvard University.
- GORDON K. DOUGLASS² 330 Radcliffe Dr.
Stedman-Sumner Associate Professor of Economics, 1959.
 B.A., Pomona College; Ph.D., Massachusetts Institute of Technology.
- WILLIAM L. FAUST 1100 Harvard Ave.
Associate Professor of Psychology, 1953.
 B.A., M.A., Ph.D., Stanford University.
- SALVATORE GRIPPI 808 N. College Ave.
Associate Professor of Art, 1962.
 Studied at Art Students' League; Atelier 17, New York City; Istituto d'Arte, Florence, Italy.
- GILDA M. HARRIS 137 N. College Ave.
Associate Professor of Physics, 1966.
 B.A., New York University; M.A., Columbia University; Ph.D., University of California, Berkeley.
- ROBERT D. HERMAN³ 357 W. Tenth St.
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HO KUANG-CHUNG

Visiting Associate Professor of Chinese Language and Literature, 1967.

Lic. Sc. Nat., University Aurora, Shanghai; University of Brussels; Docteur d'Université, University of Paris.

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Associate Professor of History, 1949.

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Associate Professor of Russian, 1960.

Student at Robert College, Istanbul, and at the University of Belgrade.

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Nancy M. Lyon Associate Professor of Religion, 1962.

B.A., College of Wooster; B.D., Th.D., Union Theological Seminary.

PAUL B. YALE³

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B.A., University of California, Berkeley; M.A., Ph.D., Harvard University.

DONALD H. ZENGER

167 Villanova Dr.

Associate Professor of Geology, 1962.

B.S., Union College; M.A., Dartmouth College; Ph.D., Cornell University.

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Assistant Professor of Government and International Relations, 1962.

B.A., Carleton College; M.A., Ph.D., Columbia University.

ANNE H. BAGES

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Assistant Professor of Physical Education, 1959.

B.S., University of Illinois; M.S., University of California at Los Angeles.

- GIORA G. BERNSTEIN
Assistant Professor of Music, 1967.
 Graduate of Juilliard School of Music; M.F.A., Brandeis University; D.M.A., Boston University.
- NOEL J. CHRISMAN 346 Harvard Ave.
Assistant Professor of Anthropology, 1967.
 B.A., University of California at Riverside; M.P.H., Ph.D., University of California, Berkeley.
- LARRY W. COHEN
Assistant Professor of Zoology, 1967.
 B.A., M.A., Ph.D., University of California at Los Angeles.
- NEAL W. CORNELL 126 W. Eighth St.
Assistant Professor of Chemistry, 1966.
 B.S., University of Redlands; Ph.D., University of California at Los Angeles.
- ANDREW E. DOE 105 N. College Ave.
Assistant Professor of English and Director of the Theater, 1966.
 B.S., University of Vermont; M.A., University of Washington; doctoral candidate, State University of Iowa.
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Assistant Professor of Philosophy, 1964.
 B.A., St. Olaf College; M.A., Ph.D., Yale University.
- DAVID GEORGE 433 W. Seventh St.
Assistant Professor of English, 1966.
 B.A., M.A., University of Manchester, England; Ph.D., King's College, University of London.
- JON HELLER GOLDSTEIN 444 W. Seventh St.
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 B.A., Oberlin College; M.A., Ph.D., University of Minnesota.
- DAVID GRAY
Assistant Professor of Art, 1967.
 B.S., M.S., University of Wisconsin.
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 B.A., San Fernando State College; concert pianist.
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 B.A., Bowling Green State University; M.A., Claremont Graduate School.
- PHYLLIS ANNE JOHNSON
Assistant Professor of Romance Languages, 1964.
 B.A., Pomona College; M.A., Ph.D., University of California at Los Angeles.
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Assistant Professor of History, 1963.
 B.A., M.A., Columbia University; Ph.D., University of Pennsylvania.

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B.S., Marquette University; M.S., University of Arkansas; Ph.D., University of Wisconsin.

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JOSEPH V. RICAPITO

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B.A., Brooklyn College; M.A., State University of Iowa; Ph.D., University of California at Los Angeles.

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JEREMY J. STONE

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B.A., Swarthmore College; Ph.D., Stanford University.

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Assistant Professor of Psychology, 1967.

B.A., University of California at Los Angeles; M.A., Ph.D., University of Arizona.

INSTRUCTORS

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Instructor in Botany, 1966.

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Instructor in Romance Languages, 1967.
 B.A. in Hispanic Studies, University of Puerto Rico; M.A., and doctoral candidate, University of Maryland.
- NANCY LOUISE BREITENSTEIN**
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 B.A., University of Kentucky.
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Instructor in Romance Languages, 1963.
 B.A., Whittier College; M.A., Claremont Graduate School; doctoral candidate, University of Southern California.
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Instructor in Theater and Technical Director, 1966.
 Study at Parsons School of Design, New York, and Lester Polakov School of Scenic Design, New York.
- LYDIA V. EVERETT** 777 W. Seventh St.
Instructor in German, 1967.
 B.A., University of California at Davis; M.A., University of California, Berkeley.
- LEO J. FLYNN**
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Instructor in Psychology, 1967.
 B.A., St. Joseph's College, Philadelphia; M.A., and doctoral candidate, University of Wisconsin.
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Instructor in Mathematics, 1967.
 B.A., Pomona College; M.A., and doctoral candidate, Harvard University.
- EVAN E. HUGHES**
Instructor in Physics, 1967.
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 B.A., M.A. and doctoral candidate, University of California at Los Angeles.
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 B.A., University of Oklahoma; doctoral candidate, University of Washington.
- CHARLES H. PLATT 372 Oakdale Dr.
Instructor in Physical Education for Men, 1964.
 B.A. and M.A. candidate, California State College at Long Beach.
- J. ERNEST SIMPSON
Instructor in Chemistry, 1967.
 B.A., M.S., and doctoral candidate, University of New Mexico.
- IAN SMALL Brackett House
Instructor in History, 1967.
 B.A., University of Sussex, England; graduate study, University of Oxford.
- WILLIAM L. SYTEK
Instructor in Anthropology, 1967.
 B.A., Catholic University of America, Washington, D.C.; M.A., and doctoral candidate, University of Chicago.
- FRANKLIN TUGWELL
Instructor in Government, February, 1968.
 B.A., M.A., and doctoral candidate, Columbia University.
- CONSTANTINE TUNG 1914 Morgan Ave.
Instructor in Chinese Language and Literature, 1966.
 B.A., San Francisco State College; M.A., University of California, Berkeley.
- PETER S. WALCH 135 E. Eighth St.
Instructor in Art, 1966.
 B.A., Swarthmore College; MFA and doctoral candidate, Princeton University.
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Instructor in Religion, 1966.
 B.A., Westmont College; B.D., Fuller Theological Seminary; M.A., and doctoral candidate, Yale University.
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- IAN J. BICKERTON
History
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- URSULA M. BORRELLI
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- SOPHIE KISHKOVSKY
Russian
Student, Faculty of Humanities, Warsaw University.
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- NORMAN L. THOMAS
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- DENNIS F. WHEELER 525 Yale Ave.
Government
A.B., Stanford University; M.A., and doctoral candidate, Claremont Graduate School.
- GUY WILLIAMS
Art
Painter.

Music

- JOHN BARRETT 3459 D St., San Bernardino
Guitar
Artist-pupil of Jose Barroso.
- JOSE BARROSO 315 N. Cordova St., Burbank
Guitar
Conservatorio Nacional, Mexico.
- KALMAN BLOCH 3914 Franklin Ave., Los Angeles
Clarinet
First Clarinetist, Los Angeles Philharmonic Orchestra.
- MARJORIE CALL 3895 Berry Dr., North Hollywood
Harp
B.M. and Diploma in Harp, Curtis Institute of Music.

- THELMA NEFT GELLER 822 Miramar
Oboe
 Graduate, Curtis Institute of Music; formerly Oboist with the Pittsburgh Symphony Orchestra.
- PAUL GREGORY 2827 Pierpont Blvd., Ventura
String Bass
 Member of Fox and Warner Brothers studio orchestras. Formerly of Los Angeles Philharmonic Orchestra.
- MALCOLM HAMILTON 18118 Coltman Ave., Gardena
Harpsichord
 B.A., M.A., University of Washington; D.M.A., University of Southern California; L.R.S.M. (London); A.R.C.T. (Toronto); A.A.G.O.
- LAURENCE LESSER 11918½ Dorothy St., Los Angeles
Violoncello
 A.B., Harvard University; pupil of Gregor Piatigorsky; faculty, School of Music, University of Southern California.
- ROLAND F. MORITZ 1228 Ridgecrest St., Monterey Park
Flute
 B.A., University of California at Los Angeles; B.M., M.M., Eastman School of Music, University of Rochester; member, Los Angeles Philharmonic Orchestra.
- RAY M. NOWLIN 4501 Berkshire Ave., Los Angeles
Bassoon
 Member, Pasadena Symphony Orchestra; Warner Brothers, Fox, and Paramount studio orchestras.
- RALPH S. PYLE 1450 Casa Grande, Pasadena
French Horn
 B.A., M.A., New York University; French Horn, Los Angeles Philharmonic Orchestra.
- HAL REES 1250 N. Indian Hill Blvd.
Timpani, percussion, and sound effects
 Solo timpanist and principal percussionist, Twentieth Century Fox Recording Orchestra.
- HARLEY A. REIFSNYDER 1247 N. College Ave.
Piano
 B.A., Pomona College; M.M., University of Portland; Prix de Virtuosité, Conservatoire de Lausanne.
- SAM RICE 3375 Ledge wood Dr., Los Angeles
Tuba
 B.M., M.M., Los Angeles Conservatory; member, Universal Studio Orchestra, Glendale Symphony Orchestra.
- THOMAS M. STEVENS 7234 Woodrow Wilson Dr., Los Angeles
Trumpet
 Member, Los Angeles Philharmonic Orchestra, Los Angeles Brass Quintet.
- JANICE WHEELER 8400 Burnet, Sepulveda
Voice
 B.A., Hamline University; M.A., Claremont Graduate School.

¹ Absent on leave, first semester, 1967-68.

² Absent on leave, second semester, 1967-68.

³ Absent on leave, 1967-68.

MEMBERS OF THE FACULTY OF THE CLAREMONT
GRADUATE SCHOOL AND UNIVERSITY CENTER
OFFERING COURSES AT POMONA COLLEGE

GEORGE S. BLAIR, *Professor of Government*
Ph.D., Northwestern University.

CHARLES S. CAMPBELL, JR., *Professor of History*
Ph.D., Yale University.

SHERWIN CARLQUIST, *Professor of Botany*
Ph.D., University of California.

WILLIAM R. FIELDER, *Associate Professor of Education*
Ed.D., Stanford University.

JOSEPH M. GALLANAR, *Assistant Dean*
Ph.D., Johns Hopkins University.

MERRILL R. GOODALL, *Professor of Asian Studies and Government*
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Ph.D., Claremont Graduate School.

JOHN A. HUTCHISON, *Professor of Philosophy of Religion*
Ph.D., Columbia University.

ALFRED R. LOUCH, *Professor of Philosophy*
Ph.D., Cambridge University.

FRED WARNER NEAL, *Professor of Government*
Ph.D., University of Michigan.

EVANGELINE SCHWARTZ, *Instructor in Philosophy*
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HELEN M. SMITH, *Associate Professor of Music and Music Librarian*
Ph.D., Indiana University.

WILLIAM C. SPENGEMANN, *Associate Professor of English*
Ph.D., Stanford University.

FATHER ELEUTHERIUS WINANCE, *Visiting Professor of Philosophy*
Ph.D., University of Louvain.

FACULTY COMMITTEES 1967-68

First Person Named is the Committee Chairman

Administration — President, Dean of the Faculty, Beckner, Chambers, Cooke, Ferm, Gleason, McDonald, Walton.

Admissions — Wheaton, Michael R. Harris, Hill, Learnihan, O'Brien, Phillips, Pronko, Quinlan, Herbert B. Smith, and three students.

Athletics:

Faculty Committee — Voelkel, Armacost, Bentley, Malan, Zenger.

Advisory Council to the Director — Malan, Roger J. Bell, Cooke, Voelkel, three students, and two alumni representatives.

Representatives on the Southern California Intercollegiate Athletic Conference — Malan, Voelkel, Zenger.

Classification — Strathmann, Armstrong, Baird, Briggs, Faust, Hadfield, Learnihan, Pinney.

College Radio Station — McDonald, Douglass, Miller, Quinlan, Ritter, Sweeney.

Computer — Haldenby, Graham B. Bell, Cooke, Hansch, McIntyre, Vieg.

Courses of Study — Strathmann, Amrein, Armacost, Brueckner, Douglass, Erickson, Kohn, Ogier, Poland, and two students.

Financial Aid for Students — Herbert B. Smith, Michael R. Harris, MacMillen, Malan, Palmer, Roberts, Whedbee.

Honors — Sontag, Carroll, Chambers, Kemble, Pronko, Tolsted.

Library — Poland, Leggewie, McIntyre, Mulhauser, Niilus, Russell, R. Nelson Smith, Vieg.

Medical Sciences — Beilby, Amrein, Andrus, Chapman, Hansch, Tolsted.

Pre-Law — Gleason, Bracher, Flynn, Gay.

Public Events — Vieg, Armacost, Benson, Blanchard, Cikovsky, Jordan, Palmer, Ricapito, Stone, and two students.

Student Advising — Voelkel, Armstrong, Bages, Graham B. Bell, Roger J. Bell, Bentley, Brice, Kain, Walton, and four students.

Student Affairs — Walton, Beilby, Roger J. Bell, Chambers, Ferm, Frazer, Gleason, Zenger.

Study Abroad — Walton, Armacost, Johnson, Learnihan, Mulhauser, Roberts, Sheirich, Wheaton.

Summer Fellowships and Research Grants — Strathmann, Kohn, Miller, Mulhauser, Phillips, Poland, Vieg.

Adviser to Foreign Students — Cowles.

Advisers on Graduate Scholarships and Fellowships — General Adviser, Kemble; Danforth Fellowships, Armacost; Rockefeller Brothers Fellowships, Voelkel; Rhodes Scholarships and Marshall Scholarships, Miller.

Advisers on Preparation for Teaching — Faust, Brown.

Adviser to Student Lectureship Committee — Gleason.

Representatives on Claremont Colleges Committees

Religious Activities — Palmer, Voelkel.

Library Council — R. Nelson Smith.



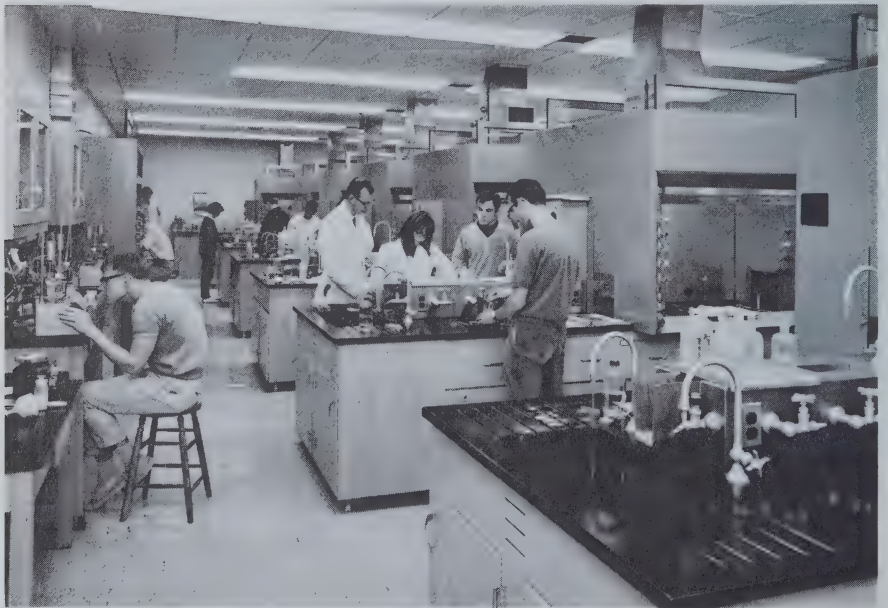
Marston Quadrangle



Special collections are exhibited in Montgomery Art Center throughout the year.



Students plan and direct conferences on national and international problems.



Chemistry laboratory in the Seaver Science Center, completed in 1965

The College

Pomona College is an independent, coeducational institution of arts and sciences. The enrollment is restricted to 1200 students, of whom 670 are men and 530 are women. The student body in 1966-67 included representatives from forty-one states and thirty-two foreign countries. The ratio of teaching faculty to students is approximately one to eleven.

The College was incorporated on October 14, 1887, by a group of early settlers who wanted to see in Southern California a "Christian College of the New England type." Under the leadership of the Reverend Charles B. Sumner, a devoted and self-sacrificing group was appointed to membership on the first Board of Trustees by the General Association of Congregational Churches of Southern California. The original trustees were: Henry K. W. Bent, Nathan W. Blanchard, Anson Brunson, Elwood Cooper, James T. Ford, James H. Harwood, Dexter D. Hill, Theodore C. Hunt, George W. Marston, John K. McLean, Henry A. Palmer, Seth Richards, Charles B. Sheldon, Charles B. Sumner, and Andrew J. Wells.

Instruction was begun in September, 1888, in a small rented house in the city of Pomona. The following January an unfinished hotel (now Sumner Hall) in nearby Claremont, together with considerable land adjacent, was given to the College and the work was transferred there. Although this location was originally regarded as temporary, Claremont became the permanent home of the College. However, the name of "Pomona College" had become so definitely fixed to the institution that it was retained.

The College met a need for higher education in Southern California, and after the initial years its growth was constant. The first class was graduated in 1894. The first chapter of Phi Beta Kappa in Southern California, and the third in the entire state, was established at Pomona in 1914.

With the freedom characteristic of Congregational organization, Pomona was soon entrusted with its own government and in 1903 was freed from any organic association with the church of its origin. Today the Board of Trustees is a self-perpetuating body, free from ecclesiastical control, but pledged under its charter to maintain the institution as truly Christian, though nonsectarian.

The courses of study include a full academic program in the social sciences, the natural sciences, and the humanities. The curriculum is planned to give a comprehensive understanding of man and the universe in which he lives, rather than technical training in highly specialized fields. The College believes that the best preparation for life is liberal education, and it aspires to educate men and women for leadership in the professions, in business, and in civic affairs.

Pomona is an academic community in which faculty and students meet easily and frequently and students share the privilege of a residential campus. To this end, the College maintains a large faculty in relation to its student body and provides beautiful and commodious residences and dining halls. The residential organization of undergraduate life at Pomona is one of the most important features of the total educational program.

The College owes the development of the campus and the growth of its financial resources to the generosity of patrons, friends, and alumni. As an independent institution, without assistance from any governmental or church body, Pomona must rely upon gifts for the expansion of its program and for the increase of its endowment, upon which depends the financial stability of the college. The book value of Pomona's total assets in March, 1967, was over \$58,000,000, of which \$17,651,000 is in Plant, and \$17,252,000 in Endowment, the income from which is available for the current educational program of the College. Annuity and Life Income Contract funds, on which the income is paid to donors during their lifetime, total \$19,697,000.

Because of these benefactions and current gifts by alumni, parents, friends, and business corporations, the charge for tuition and fees covers only about fifty-five per cent of the actual cost of a Pomona education. The College welcomes the assistance of parents who feel able to pay the full cost of their children's education, or a larger proportion than is covered by present charges. The Parents Fund, which invites annual contributions, provides a channel for such assistance, as does the Alumni Fund, for parents who themselves attended Pomona College.

ENDOWED PROFESSORSHIPS

From its earliest years Pomona has received endowment gifts for professorships in designated fields. Today the income from each of these funds pays a significant portion of the salary of the professor who holds the chair, and the most recent gifts are sufficient to defray the full salaries of the recipients.

The College is deeply grateful to the generous benefactors who have made these permanent contributions to its academic advancement.

The first endowment given to Pomona College was the Nancy M. Lyon Professorship in Biblical History and Literature, which was established by Nancy M. Lyon, of Munson, Massachusetts, as a professorship to be held by Charles Burt Sumner, a leader in founding the College.

The Joseph N. Fiske Professorship in Mathematics was established in 1903 by Charlotte M. Fiske in honor of her husband.

The Stedman-Sumner Professorship in Economics was established by Charles Burt Sumner and endowed over the years by his son, George S.

Sumner, Professor of Economics from 1897 to 1922, and Controller of the College from 1922 to 1941.

The Frank P. Brackett Professorship in Astronomy, which honors Pomona's original faculty member in this field, was established by a large number of alumni as a part of the 1914 campaign.

The Henry Kirke White Bent Professorship in Botany was established by Mrs. Willard George Halstead in memory of her father, a founding trustee of the College. Mrs. Halstead also established in 1915 a professorship in Zoology, named in honor of her husband.

The John Knox McLean Professorship in Religion was established by friends in honor of John Knox McLean, a founder of the College and a member of the first Board of Trustees. The fund has been generously augmented by his daughter, the late Mary McLean Olney, Dean of Women at Pomona in 1898-99, and a former Trustee.

The Edwin Clarence Norton Professorship in Classics was established in 1910 by Mr. and Mrs. Charles M. Pratt, of New York, in honor of Edwin C. Norton, the first Dean of Pomona College.

The Martha N. Hathaway fund for the Chair of Dean of Women was established in 1914 by gifts of Miss Martha N. Hathaway.

The Warren Finney Day Professorship in History, named in honor of the Minister of the First Congregational Church of Los Angeles, was endowed in 1914 by the son and parishioners of the Reverend Warren Finney Day.

The Carnegie Professorship in Chemistry was established in 1920 by a gift from the Carnegie Corporation of New York.

The Phebe Estelle Spalding Professorship in English was endowed by a small group of students, led by Miss Alice Parker of the Class of '01, in honor of Phebe Estelle Spalding, beloved Professor of English Literature at Pomona from 1889 to 1928.

The Robert C. Denison Professorship in Philosophy was established in 1924 by William A. Watts, of New Haven, Connecticut, in honor of Robert C. Denison, Professor of Philosophy at Pomona from 1920 to 1936.

The Seeley W. Mudd Professorship in Physics was endowed in 1925 by Col. Seeley W. Mudd, trustee of Pomona from 1914 to 1926, and a founder of the plan for The Claremont Colleges.

The Henry Snyder Professorship in Sociology was established in 1937 by bequest of Mr. Henry Snyder of Los Angeles.

The David J. Baldwin Professorship in Music was established in 1958 by Mrs. Myrna B. Freman, in memory of her father.

The William A. Johnson Memorial Professorship for a visiting professor in government was established in 1959 by friends of the late Mr. Johnson, a trustee of Pomona, 1949 to 1956.

The Arthur M. Dole and Fanny M. Dole Professorship in English, a fully endowed chair, was established in 1962 through the bequests of Arthur M. Dole, '96, Trustee from 1908 to 1955, and Mrs. Dole.

The John Sutton Miner Professorship in History was established in 1965 by the bequest of Mrs. Susan E. Miner, in memory of her son, of the class of '36, who was killed in World War II.

The Elden Smith Professorship in Economics, honoring a distinguished banker and Trustee of Claremont Graduate School and University Center, was established in his memory in 1966 by his brother and sister-in-law, Mr. and Mrs. H. Russell Smith of San Marino.

ENDOWED FUNDS FOR SUPPORT OF INSTRUCTION

The College enjoys the help of a number of other endowed funds, some of which have been designated for the benefit of specific departments:

The Elizabeth McLeod Geiger Fund for the Department of Music was established in 1959 by the late Hector Geiger in memory of his wife.

The Eva C. and Clyde A. Matson Fund for the Department of Art was established in 1962 by the late Mr. and Mrs. Matson of La Jolla.

The Warren Lloyd Smith Fund for the Men's Physical Education Department was established in 1965 by Mrs. Raymond E. Smith, in memory of her son.

The Albert D. Stauffacher Fund for the Department of Religion was established in 1967 by Charles B. Stauffacher to honor his father.

The Viola Minor Westergaard Fund for the Department of Art was endowed in her memory in 1938 by her parents, Captain and Mrs. Robert Minor, and her husband, Waldemar Westergaard, Professor of History at Pomona College from 1916 to 1925, and subsequently at the University of California at Los Angeles.

The Waldemar Westergaard Fund for the Department of History was endowed in 1963 by a bequest of Professor Westergaard.

The securing of funds for instruction is one of the major aims of Pomona's current Advancement Program, and the following endowed funds have recently been established for the support of faculty salaries:

The Thomas P. McCrea and Lou Whipple McCrea Fund, established in 1961 by Mr. John McCrea of Sonoma and the late Mrs. McCrea, in honor of Mr. McCrea's parents.

The Thorkild R. and Valley M. Knudsen Fund, established in 1964 by Mrs. Knudsen of Glendale and the late Mr. Knudsen.

A fund established in 1964 by Mrs. Louise Maxwell Wilson, '30, of Rancho Santa Fe.

The Times-Mirror Fund, established in 1963, a gift of the *Los Angeles Times*.

The May McManus Oberholtz Fund, a bequest in 1961 of the late Mrs. Oberholtz of Los Angeles.

THE CLAREMONT COLLEGES

Pomona College is the original institution of The Claremont Colleges, a group of six affiliated colleges, of which the other members are Claremont Graduate School and University Center, Scripps College, Claremont Men's College, Harvey Mudd College, and Pitzer College. Each college serves its own distinctive purposes, determines its own policies and requirements, possesses legal autonomy, and has its independent board of trustees and faculty. However, the six institutions cooperate in their academic programs and in the use of certain common facilities. The undergraduate colleges open their classes without tuition charges to students in the other undergraduate institutions. Selected courses in the Claremont Graduate School are open to Seniors in the undergraduate colleges. The combined resources of the libraries, the college church, the well-equipped medical dispensary and infirmary, the central business office, and the technical services are available to all the colleges.

The group, which represents a combination of English and American practices, arose from the desire of Pomona College to maintain for itself the advantages of a small college and at the same time to provide at Claremont an educational opportunity for the increasing numbers of young men and women who were seeking admission to the College at the end of World War I.

Under the leadership of the Pomona trustees, the institution now incorporated as Claremont Graduate School and University Center was established on October 14, 1925, as the first step in the inauguration of the new plan. It assumed the responsibilities of a central coordinating agency, the direction of graduate instruction for The Claremont Colleges, and the founding of new institutions, as they might be required. In addition to its own appointees, the faculty of the Claremont Graduate School also includes most members of the faculties of the undergraduate colleges.

An early objective of the group plan was the establishment of a college for women. Scripps College, incorporated in 1926, and named in honor of Miss Ellen Browning Scripps, whose generosity and vision made it possible, was opened as a residence college for women. From the beginning, the main feature of its curriculum has been a unified sequence of courses in the humanities. The enrollment has been increased to 500.

Claremont Men's College, the third undergraduate institution, was established in 1947 as a liberal arts college educating men for leadership in business or government. The current enrollment is 720 students.

Harvey Mudd College, named in memory of the President of the Board of Fellows of Claremont Graduate School and University Center, was incorporated as the fourth undergraduate college in 1955. The college offers a program in basic science and engineering for approximately 285 students.

Pitzer College, a college for women, emphasizing the Social Sciences, was established in 1963 through the generosity of Russell K. Pitzer, a Pomona alumnus of the class of 1900. Instruction was begun in 1964, and an enrollment of 600 is planned for 1967-68.

The joint services of The Claremont Colleges are administered by a Council of the Presidents, who in rotation serve annual terms as chairman of the Council and also Provost of The Claremont Colleges. The President of Pomona College will serve as Provost for 1967-68.

The combined Boards of Trustees of the colleges constitute the Board of Overseers, an advisory body which meets at least annually to consider the operation of the group as a whole. Printed copies of the Constitution of The Claremont Colleges may be obtained through the office of the president of any of the institutions.

LOCATION

Pomona College is exceptionally fortunate in its location and its surroundings. The city of Claremont, which has grown up around Pomona and The Claremont Colleges, is an academic, residential community of distinction. Although Claremont is a quiet college town of some 22,500, it is but thirty-five miles from the center of Los Angeles by the San Bernardino Freeway, on which there is convenient bus service.

Transcontinental rail service for Claremont is provided by the Santa Fe, the Union Pacific, and the Southern Pacific Railways. Stations for all three lines are in Pomona, a city of over 87,000, only four miles away.

The College is conveniently accessible by air. Western Air Lines and Bonanza Air Lines serve the Ontario International Airport, only seven miles from the campus. There are five direct flights daily to San Francisco. Los Angeles Airways maintains a frequent helicopter service between the city of Pomona and Los Angeles International Airport, some fifty miles to the west. There are bus services to the Los Angeles Airport from all the cities of the Pomona Valley.

The Campus

POMONA COLLEGE has a campus of great beauty and one of the most modern and best equipped physical plants in the United States. The College occupies approximately one hundred and thirty acres, of which sixty are included in Blanchard Park, the gift of Nathan W. Blanchard, approximately ten in Alumni Athletic Field, and sixty in the campus proper. The College centers on Marston Quadrangle, built and endowed by George W. Marston, 1850-1946, distinguished citizen of San Diego, an original trustee of Pomona and for many years President of the Board.

Other specially landscaped areas are Memorial Court, honoring certain former members of the College, and Harwood Garden on the men's campus, which honors the late Frank H. Harwood, '98, a trustee and former President of the Board. The Stover Memorial Walk, from College Avenue to College Way, honors the memory of the late Clarence T. Stover, '21, a trustee and chairman of the Buildings and Grounds Committee.

The College Gates on Sixth Street, constructed in 1914, were the gift of the late William S. Mason. Their inscriptions, written by the late President Blaisdell, have inspired subsequent generations of Pomona students.

Pomona College has thirty-three buildings of its own, and also shares ten other buildings which Claremont Graduate School and University Center operates for all The Claremont Colleges.

ADMINISTRATIVE AND GENERAL ACADEMIC BUILDINGS

Mary L. Sumner Hall, a hotel which in 1889 became the original building of the college, was removed from its first site in 1922, remodeled for administrative and faculty uses, and named in memory of the wife of Rev. Charles B. Sumner, LL.D., one of the Founders of Pomona.

Holmes Hall, the first academic building, erected by the college in 1893, is a memorial to Cyrus W. Holmes, Jr., of Monson, Massachusetts. Reconstructed in 1916, it is now devoted to recitation rooms, departmental offices, and an auditorium seating 750. A small addition for a Drama Workshop was built in 1957.

The Andrew Carnegie Building, a gift of Mr. Carnegie, which served as the College Library from its construction in 1908 to June, 1952, was remodeled in 1952, for use as a classroom and office building for the Social Sciences.

Pearsons Hall, the gift of Dr. D. K. Pearsons in 1898, and for many years the home of the Departments of Physics and Mathematics, was renovated and reorganized during the summer of 1958 as a classroom and office building for the Departments of History, Philosophy, and Religion.

Mason Hall, the gift of the late W. S. Mason, which served as the Pomona chemistry building from 1922 to February, 1965, has been reconstructed as a classroom, office, and laboratory building for the Departments of Modern European Languages, Chinese Language and Literature, and Psychology. The renovated building houses the Beverly M. Stauffer Language Laboratory, the gift of the John and Beverly Stauffer Foundation, the Henrietta V. Frank Center for the study of Chinese Language and Literature, and laboratories in physiological, child, and social psychology.

The Claremont Colleges maintain a joint Business Office in the Pendleton Business Building, constructed in 1959, and named in honor of Mr. and Mrs. Morris B. Pendleton, '22.

Harper Hall, built in 1932, and Harper East, constructed in 1966, both honoring the late Jacob C. Harper, house the administrative and academic offices of The Claremont Graduate School and University Center.

The colleges are served by a central heating plant and by a common shops and maintenance department which are situated on Pomona property on the south side of Blanchard Park.

ART, MUSIC, AND DRAMA BUILDINGS

Rembrandt Hall, built in 1914 and enlarged in 1937, is the original art building of the College. Since 1958-59, it has been devoted primarily to studio purposes.

The Gladys Montgomery Art Center, named for Mrs. Victor Montgomery, which was opened in September, 1958, amplified our art facilities by providing sculpture studios, a lecture hall, exhibition galleries, and departmental offices. A major addition to the Center, a gift from Mrs. Montgomery, is under construction and will be opened during 1967-68.

Mabel Shaw Bridges Hall of Music, given by Mr. and Mrs. Appleton S. Bridges of San Diego in 1915, in memory of their daughter who died while a student at Pomona College, offers excellent facilities for the study of music. It contains, in addition to private studios, an unusually beautiful auditorium seating 700.

Mabel Shaw Bridges Auditorium, also the gift of Mr. and Mrs. Appleton S. Bridges in memory of their daughter, was constructed in 1931. It has a seating capacity of 2600, and is held and administered by Claremont Graduate School and University Center on behalf of The Claremont Colleges.

The Garrison Theater, erected through the generosity of Mr. and Mrs. Robert H. Garrison and other donors and opened in 1963, provides a center for dramatic productions by and for all The Claremont Colleges.

The Greek Theater, an open-air amphitheater located in Blanchard Park, was built in 1910 and extensively reconstructed in 1960-61.

SCIENCE BUILDINGS

The Seaver Science Center at Pomona College comprises three outstanding laboratories constructed from 1958 to 1965. The three buildings and all their equipment were given and endowed by Frank Roger Seaver (1883-1964), Pomona alumnus and trustee. Because of Dr. Seaver's vision and magnificent generosity, his Alma Mater enjoys what many have called the nation's finest center for undergraduate education in science.

The Robert Andrews Millikan Laboratory for physics, mathematics, and astronomy, completed in 1958, was the first building of the Seaver Science Center. It contains equipment for the study of atomic and molecular physics, electronic and computer laboratories, a nuclear physics section incorporating a 23-inch cyclotron for student use, and a Spitz planetarium.

The Seaver Laboratory for biology and geology was opened in 1959. Its equipment includes electron-microscopes, a radioactive-isotope laboratory, experimental aquaria for marine life study, a controlled temperature animal house, X-ray spectrograph for rapid chemical analysis of rocks and minerals, a gravity meter for measuring earth tides, an experimental laboratory in which clay is used to simulate the earth's crust, and a rock-slicing room with diamond saws.

The Seaver Laboratory for chemistry, completed in January, 1965, fulfills the donor's wish to produce the best possible laboratory and contains many unusual features and facilities. The basement houses a neutron generator room with five-foot concrete walls to block out heavy radiation, shop facilities, a glass blowing laboratory, and rooms for special equipment such as infrared and ultraviolet spectrophotometers, mass spectrometer, nuclear magnetic resonance equipment. Closed-circuit and commercial television, slide and movie projectors, and micro-film facilities are provided.

An IBM System/360 solid logic computer with a 2040-D processing unit was installed in the Seaver Science Center during the summer of 1965.

Frank P. Brackett Observatory, the gift of Mr. Llewellyn Bixby, '01, has served the Department of Astronomy since 1908. A second building in the Observatory area, the gift of Mr. Frank R. Seaver, '05, was constructed in 1950. The dome houses the Clara Whitney Shatto Reflector Telescope, and the main floor contains classrooms and a library.

Crookshank Hall, given in 1922 by Dr. D. C. Crookshank, is occupied by the Departments of Botany and Military Science.

HONNOLD LIBRARY

The Honnold Library, which was given by Mr. and Mrs. William L. Honnold to Claremont Graduate School and University Center for The

Claremont Colleges, since 1952 has housed the Pomona College Library along with the libraries of Claremont Men's College, the Claremont Graduate School, a part of the Scripps College Library, since 1956 the library of Harvey Mudd College and since 1963 the library of Pitzer College. For information on the resources of the Honnold Library see page 69.

PHYSICAL EDUCATION AND ATHLETIC FACILITIES

The War Memorial Gymnasium, given to the college by students, alumni, trustees, and friends, commemorates the men and women of Pomona College who gave their lives in World War I and World War II. Completed in December, 1950, the building includes an excellent basketball court with seats for 1200 spectators, a classroom, a memorial library, staff offices, and commodious shower and locker rooms.

The Memorial Training Quarters, constructed in 1922 as a memorial to the men of Pomona College who lost their lives in World War I, has been incorporated as the east wing of the new Memorial Gymnasium. It represents the gift of the parents of one of these men, Sheldon Gerry, '17, supplemented by the gifts of alumni, students, and friends.

Alumni Field, consisting of about ten acres, has been developed by the alumni into athletic grounds unsurpassed in the Southwest in beauty of setting. First-class tennis courts, an excellent track, baseball and football fields, a hockey field, and basketball courts are within the limits of the campus. A ticket booth, wall, and gate for Alumni Field were built in the autumn of 1950, as a gift of the class of 1916.

Athearn Field, given in memory of the late Fred G. Athearn, of the class of 1900, by a group of his business friends, and constructed in 1957-58 on land east of Clark Hall, provides touch football and softball fields, and other recreational facilities for the men's campus.

Earl J. Merritt Field, which honors a beloved alumnus, football coach, and Emeritus Professor of Physical Education, is the gift of Carlton M. Rogers, '37. This practice field, large enough for simultaneous soccer and baseball games, will also be used for golf classes.

Two swimming pools are available for instruction and recreation throughout the year. In connection with the Memorial Gymnasium there is a pool for men, of standard size for water polo. An Olympic size pool for the women's athletic area was built in 1962, through the generosity of Mr. and Mrs. Morris B. Pendleton of the class of 1922.

The women's athletic area, which lies immediately south of the women's residence halls, was greatly extended in 1962 with the gift of a new field by the Women's Campus Club, and improved in 1964 through gifts from Mr. and Mrs. Pendleton. Five new tennis courts were constructed in 1965 through the gift of Carlton M. Rogers in honor of his mother, Isabel E. Rogers, for whom the courts are named.

The William Renwick Gymnasium, named in memory of an early donor to the college, was first erected as a military barracks in World War I. It provides general facilities for the women's department of physical education.

RESIDENCE AND DINING HALLS FOR MEN

Smiley Hall, built in 1908 as the first residence hall for men, honors Albert K. Smiley, 1828-1912, an early Pomona trustee. Thoroughly renovated in 1957, the hall accommodates sixty-nine students.

The Eli P. Clark unit, erected in 1929, includes three residence halls with accommodations for 286 students, and is a memorial to the late Vice-President of the Board of Trustees.

Edwin C. Norton Hall, constructed in 1956 and named in memory of the late first faculty member and first Dean at Pomona, contains thirty-six single rooms.

Helen R. Walker Hall, the gift of Helen R. Walker of Glendale, California, was opened for use in 1953. Its rooms, grouped around three courtyards, accommodate 108 men. Walker Hall also includes a lounge and reception room for the entire men's campus.

Lucien H. Frary Dining Hall for Men, given by Mr. George W. Marston in 1929 in memory of Rev. Lucien H. Frary, a Trustee from 1892 to 1903, seats 375 in the main hall and includes three smaller dining rooms for special uses.

The men's campus is embellished by notable works of art. Frary Hall is the site of two famous murals: "Prometheus," by Jose Clemente Orozco, painted in 1930, and "Genesis," by Rico Lebrun, painted in 1960. The Smith Memorial Tower, completed in 1961, honors its donors, the late Mr. and Mrs. Edwin L. Smith.

RESIDENCE AND DINING HALLS FOR WOMEN

Harwood Court, constructed in 1921 and named in memory of Mrs. Charles E. Harwood, and including Strong Hall, accommodates 140 women.

Florence Carrier Blaisdell Hall, erected in 1936 and named in honor of Mrs. James A. Blaisdell, wife of the fourth President of the College, houses 95 women.

Della Mulock Mudd Hall, which honors the wife of the late Seeley W. Mudd, a Trustee of Pomona, was completed in the spring of 1947. The building has accommodations for 100 women, most of them in single rooms.

Anna May Wig Hall, named in memory of the late Mrs. R. J. Wig, was placed in use in September, 1959. It has accommodations for 98 women.

Commodious dining facilities are available for all women students. Residents of Harwood Court and Anna May Wig Hall are served by the Aurelia Squier Harwood Memorial Dining Hall built in 1931.

The Mary McLean Olney Dining Hall, constructed in 1936, which has accommodations for 120 students, also serves many special college purposes and occasions.

Gibson Dining Hall, built in 1949, honors the late Jessie E. Gibson, former Dean of Women. It serves the students living in Blaisdell Hall and Mudd Hall.

RESIDENCE AND DINING HALL FOR STUDENTS OF MODERN LANGUAGES AND INTERNATIONAL RELATIONS

Through the generosity of the late Diederick C. Oldenburg of Santa Monica, Pomona enjoys a magnificent coeducational residence hall for students of foreign languages and international relations. The Oldenburg Center, which is named for Mr. and Mrs. Oldenburg, was opened in November, 1966. The residence units house 144 students, with separate areas for those studying French, German, and Spanish. Provision is also made for students in the Russian and Chinese languages.

A coeducational dining hall is an integral part of the Center, with special areas for students in the particular languages. The lounges are equipped with the most modern electronic listening and recording devices, and the individual student rooms are linked electronically with central broadcasting equipment to permit language study at times convenient for the student.

EDMUNDS UNION

The Charles K. Edmunds and Katharine P. Edmunds Student Union, which honors the late fifth President of the College and his wife, provides a social center for all students and an attractive ballroom in which formal dances are held. This building, made possible by the gifts of many parents, supplemented by funds from the Associated Students and the bequest of the late Florence Riley, was built in 1937 and houses student offices, including publications, the manager's office, and the Cooperative Store.

The east wing of Edmunds Union, which includes the fountain and restaurant facilities and a full basement for recreational use, was completed in January, 1951, as a gift of the Associated Students.

HEALTH FACILITIES

Excellent buildings and facilities for the health of students are held by Claremont Graduate School and University Center for all The Claremont Colleges.

Memorial Infirmary, given in 1931 in memory of Colonel Seeley W. Mudd, has twenty-seven beds. It is located on Amherst Avenue, north of Foothill Boulevard.

Baxter Medical Building, the gift of Dr. and Mrs. George E. Baxter, provides offices where the College physicians and nurses are available for consultation and the treatment of minor ailments.

OTHER FACILITIES

The President's House at 345 North College Avenue was the gift of Dr. D. K. Pearsons. It was constructed in 1900, and has been the home of all Presidents of the College since that time.

A replica of the original house in Pomona in which the College first opened in September, 1888, was erected on the campus in 1937 through the generosity of an anonymous donor.

The Bosbyshell Fountain in the courtyard of the men's campus commemorates the gift to the College of a deep well independent water supply by Edward P. and Mary G. Bosbyshell.

THE FACULTY HOUSE

Pomona shares with the other Claremont Colleges the Faculty House which the late Harvey S. Mudd and Mrs. Mudd and the Seeley W. Mudd Foundation gave to Claremont Graduate School and University Center for the use of the faculties of all the colleges at Claremont. Situated just south of the Honnold Library, the Faculty House provides an ideal meeting and recreational center for faculty groups.

CENTER FOR RELIGIOUS ACTIVITIES

The McAlister Center for Religious Activities, placed in use in September, 1959, is the administrative home of the College Church, and the center for religious activities in The Claremont Colleges. The building was made possible by a gift from the estate of the late Mrs. Amelia McAlister Upshur of San Marino, California, and by contributions from each of The Claremont Colleges.

RANCHO SANTA ANA BOTANIC GARDEN

The Rancho Santa Ana Botanic Garden, affiliated with Pomona College and the Claremont Graduate School, is an independent, endowed institution devoted to the preservation of native California flora and to research and teaching in the fields of botany and horticulture. The Pomona herbarium and part of the Pomona botanical library are housed at the garden. The beautifully landscaped grounds of the garden are open to visitors throughout the year.

THE CLAREMONT INN

The Claremont Inn, owned by Pomona College, has served the colleges and the community since 1907. It offers dining and banquet service in the main building and overnight accommodations in the Inn cottages.

Admission

THE COLLEGE SEEKS students of superior academic promise, high standards of personal conduct, and sufficient stability and self-discipline to carry on their education without the necessity of excessive supervision and direction.

Students are admitted to Pomona College upon evidence which satisfies the Committee on Admissions that: (1) the applicant possesses the necessary preparation and ability to carry successfully the academic program offered here, and will actually use them to that end; (2) the College, with its program and traditions, and the applicant, with his capacities, interests and needs, are mutually well suited to each other.

It is not possible to state a minimum record which will insure admission as the College has many more qualified applicants than available space. In the selection of students academic achievement and promise are primary factors but the Committee makes every effort to take into account character, special aptitudes and skills. The final decision is based on the judgment of the applicant as a person rather than on narrowly technical requirements.

Students are not considered to be officially matriculated in the College until they have completed satisfactorily one semester in full-time attendance. (See page 93.)

Any person interested in preparing for Pomona or any school official who is responsible for directing the preparatory programs of students is invited to call on the Director of Admissions at any time regarding the acceptability of candidates or for advice on specific programs.

For further information, write to Office of Admissions, Sumner Hall, Pomona College, Claremont, California, 91711.

ADMISSION TO FRESHMAN STANDING

The College does not require any particular pattern of secondary school courses but assumes that candidates will have taken a college preparatory course. Under normal circumstances this is assumed to mean four or five academic subjects each year and particularly during the eleventh and twelfth grades. Three years of mathematics are now recommended for all students and four for students who expect to continue in mathematics or physical sciences. There is no absolute requirement for credit in a foreign language for entrance, but in most fields of concentration a reading knowledge of at least one foreign language is essential. One method of meeting the language requirement for graduation is a score of 560 or higher on a College Entrance Examination Board Achievement test. (See page 88 for further information.) Few students

make a satisfactory score with fewer than three years of language study in secondary school. Four years of English and two or three years in sciences and in the social sciences are recommended. The Committee considers the quality of the record more important than the exact arrangement of subjects.

Students from foreign countries or those who are following unusual patterns of preparation may submit other evidences of their readiness to undertake college work.

The final date for filing applications for Freshman standing in September, 1968, is March 1, but candidates are urged to submit applications early in the fall (September-October) of their senior year in high school.

All candidates are required to take the Scholastic Aptitude Test administered by the College Entrance Examination Board. (See below for further information.) It is suggested that candidates take the December administration of the Scholastic Aptitude Test. The results of the January test will also be accepted, but the March test results from the senior year may not be used to meet the requirement.

Freshmen are not admitted to begin their studies with the Spring semester, which starts in February.

HONORS AND ADVANCED PLACEMENT COURSES

Students who are eligible for honors or advanced placement sections in their secondary schools are advised to register for them when available.

Students who request college credit for honors courses taken in high school are required to submit scores on the Advanced Placement Tests given by the College Board. The decision as to whether or not credit will be allowed will be made by the Classification Committee and reported at the time of registration.

APPLICATION INSTRUCTIONS FOR FRESHMAN CANDIDATES

Application for admission to Pomona College must be made on the form furnished by the College and all credentials must be filed with the Director of Admissions. The forms and credentials required are:

1. *Application Form I*, including \$20.00 fee. This fee is not refundable as it is charged to cover a portion of the cost of processing applications.
2. *Two Personal Ratings*. A confidential report by the principal or counselor and another from a classroom teacher to be sent directly to the Committee on Admissions.
3. *Official Transcript* of high school record to date. At the time of selection of candidates, work in progress will be considered in fulfillment of requirements, and admission will be granted subject to the filing of a final transcript showing the satisfactory completion of all secondary school work. The transcript form ordinarily used by the school is satisfactory. It should include an interpretation of the grading system.

Freshman applicants will be notified of the Admission Committee's decision in mid-April.

INSTRUCTIONS FOR FRESHMEN OFFERED ADMISSION

Medical Certificate. The College will send the prescribed form, which must be filled out in its entirety by a licensed physician and requires a physical examination and laboratory test. An entering student must submit by August 1 a report of medical examination on a form furnished by the College, including the result of a tuberculin skin test or chest X-ray within the preceding six months, a recent smallpox vaccination, and active immunization against tetanus. These must be received by the Health Service before admission can be completed.

Supplementary Transcripts. Official supplementary transcripts reporting grades must be filed as soon as possible at the close of each term and a statement of graduation should be included on the final transcript.

Picture. A recent picture should be mailed for use in the new student *Look Book*. This should be a close-up, preferably full face, a glossy print if possible, and no larger than wallet size.

Deposit. All students are required to make a \$50 deposit. No refund will be made to candidates who accept admission and withdraw before entrance. Candidates on the alternate list for whom places are not provided will have the entire deposit refunded. This deposit is held until the student's graduation (or withdrawal from classes), at which time any outstanding bills or charges are deducted and any balance is refunded. (For further information, see page 48.)

SCHOLASTIC APTITUDE TEST

All candidates for admission to Pomona College are required to take the Scholastic Aptitude Test administered by the College Entrance Examination Board and are responsible for making application to the Board. Students who plan to enter in September should take the test in December or January. Students who plan to enter in February with advanced standing should take it in May, August or December. Any one of these dates is satisfactory. Freshmen are not admitted in February, but there is usually space for a few transfer students in mid-year.

The College Entrance Examination Board will hold a series of examinations in 1967-68. Application to take an examination must be filed approximately four weeks in advance of the examination date. The schedule for the examinations with the dates of registration is as follows:

1967-68 Test Dates	Regular Registration Closes	Late Registration Closes
*November 4, 1967	October 7, 1967	October 21, 1967
December 2, 1967	October 28, 1967	November 11, 1967
January 13, 1968	December 9, 1967	December 23, 1967
March 2, 1968	February 3, 1968	February 17, 1968
May 4, 1968	April 6, 1968	April 20, 1968
July 13, 1968	June 15, 1968	June 29, 1968

*For California and Indiana applicants only.

The above dates apply to centers on the North American Continent. Information about dates for other centers is contained in the College Board Bulletin of Information. There is a penalty fee of \$2.50 for late registrants.

The Scholastic Aptitude Test will be given in California and Indiana (but nowhere else) on November 4, 1967.

Copies of the Bulletin of Information may be obtained without charge from the College Entrance Examination Board. The Bulletin contains rules regarding applications, fees, and reports; rules for the conduct of the tests; advice to candidates; descriptions of the tests; sample questions; and lists of examination centers.

Candidates must secure application forms from the College Entrance Examination Board and file completed forms, accompanied by the examination fee of \$5.00, at one of the offices described below. If possible, applications should be filed several weeks in advance of the closing date for regular registration for an examination.

Students who wish to take the examinations in any one of the following western states or Pacific areas: Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming, Alaska, Hawaii, Mexico, Alberta, British Columbia, Australia, and all Pacific islands including Formosa and Japan, should address their inquiries and send their applications to College Entrance Examination Board, Box 1025, Berkeley 1, California.

All others should write to College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey.

ACHIEVEMENT TESTS

It is strongly recommended, though not required, that candidates for admission take three Achievement Tests administered by the College Board and that one of these be the Achievement Test in English Composition. The other two are left to the candidate's choice.

The Writing Sample is not required.

PERSONAL INTERVIEWS

Although personal interviews are not required of candidates for admission, the College welcomes the visits of individuals who seek information about Pomona which is not available in the catalog. An interview with one of the Admissions Officers and a tour of the campus with a student, if the visit comes at a convenient time, may usually be arranged. Candidates should write or telephone for an appointment. Between March 1 and April 15, members of the staff are reading applications and are not available for interviews.

APPLICATION INSTRUCTIONS FOR TRANSFER STUDENTS

The final date for accepting applications for admission to advanced standing is May 1 for entrance in September, and December 1 for entrance in February.

Credit allowed for work taken in other institutions will be determined by the Classification Committee after the candidate has been accepted. Course credit is ordinarily transferable if (1) the prior college is accredited, (2) the course carries a grade of "C" or better, and (3) the course is comparable to a course offered by Pomona College. (See "Courses of Instruction" for descriptions of courses.)

All the requirements listed below must be on file by May 1 for entrance in September, and by December 1 for entrance in February.

1. *Application for Admission* (Form I), including photograph and \$20 application fee. Checks should be made payable to Pomona College. This fee is not refundable as it is charged to cover a portion of the cost of processing applications. The application, the fee, and the photograph should be submitted together by the applicant. A personal statement is also required to supplement the other information. (See page 3 of Form I.)
2. *Secondary School Report* (Form II), one rating by your secondary school Principal, Dean, or Adviser. This form should be sent by the school directly to the Office of Admissions at Pomona College as soon as possible.
3. *College Report* (Form III), one rating required from a member of the Dean of Men's or Dean of Women's office. Letters from individual faculty members are also welcomed but not required. If the candidate is not currently enrolled in a college, a letter from his superior in command (if in the service) or from his employer (if working) must be filed in addition to the recommendation from the college.
4. *Transcripts*: (a) A complete transcript of secondary school record showing date of graduation, including an interpretation of grading system and a statement of the recommending or certificate grade. (b) An official transcript from each college or university previously attended, including a statement of honorable dismissal. Failure to list all colleges attended will be considered sufficient grounds for requesting withdrawal from Pomona College. The applicant is responsible for having transcripts sent in time to arrive at the College no later than December 1 for admission in February or May 1 for admission in September.
5. In addition, all transfer applicants must take the Scholastic Aptitude Test of the College Entrance Examination Board if they have not previously taken this examination. Candidates should schedule this test to allow time for the results to reach the College by the appropriate deadline. For further information regarding this examination, see page 42.

INSTRUCTIONS FOR TRANSFER CANDIDATES OFFERED ADMISSION

Medical Certificate. The College will send the prescribed form, which must be filled out in its entirety by a licensed physician and requires a physical examination and laboratory test. An entering student must submit by *August 1* (January 15 for second semester entrants) a report of medical examination on a form furnished by the College, including the result of a tuberculin skin test, or chest x-ray within the preceding six months, a recent smallpox vaccination, and active immunization against tetanus. These must be received by the Health Service before admission can be completed.

Supplementary Transcript. An official supplementary transcript reporting final grades must be filed as soon as possible after the close of the academic year.

Picture. One additional picture for use in the new student *Look Book*. This should be a close-up, preferably full face, glossy print if possible, and no larger than wallet size.

Deposit. All students are required to make a \$50 deposit. No refund will be made to candidates who accept admission and withdraw before entrance. Candidates on the alternate list for whom places are not provided will have the entire deposit refunded. This deposit is held until the student's graduation (or withdrawal from classes), at which time any outstanding bills or charges are deducted and any balance is refunded. (For further information, see page 48.)

Transfer applicants will be notified of the Admissions Committee action during December for February candidates, and during May for September candidates.

ADMISSION TO SPECIAL CLASSIFICATION

Mature students, particularly those equipped for advanced studies, may be admitted as special students to courses for which, by ability and preparation, they may be fitted. Special students are not candidates for a degree, though students admitted to this classification may be accepted later as candidates for a degree.

THE CENTER FOR CONTINUING EDUCATION

The Center for Continuing Education is administered by Claremont Graduate School and University Center, the coordinating service institution of the six Claremont Colleges. Its purpose is to assist men and women who wish to resume their higher education. Its activities include guidance for degree candidates, for special students, and for auditors; consultation in designing special instructional programs for returning students; research and experimentation in these areas of education for adults.

Expenses

CHARGES FOR TUITION, fees, and room and board will approximate \$2,927 for each student in 1967-68. A substantial portion of the total educational cost is borne by the College through the use of contributed funds and income from endowment.

The College reserves the right to change any of the following fees at any time should conditions make it necessary.

GENERAL FEES

TUITION, including season tickets for Artist Course and Athletic Events	per semester	\$850.00
HEALTH FEE	per semester	22.50
ASSOCIATED STUDENT DUES	per semester	16.00
GRADUATION FEE		10.00
FEES DEPOSIT (including Room Deposit below)		50.00

RESIDENCE FEES

ROOM AND BOARD	per semester	\$575.00
In Clark Hall, a few rooms with fireplaces are available for men, for which the charge is \$600.00 per semester		
ROOM DEPOSIT (included in Fees Deposit above; see also pages 42, 45, and 48.)		

DEPARTMENTAL FEES

	<i>Per Semester</i>	
LABORATORY FEES	\$2.00 to 10.00	
LABORATORY BREAKAGE DEPOSITS	4.00 to 15.00	
<i>See Courses of Instruction.</i>		
APPLIED MUSIC FEES		
<i>For those paying regular tuition:</i>		
One-half hour private lesson per week		45.00
Each additional half-hour		40.00
<i>For those carrying less than three courses a semester, exclusive of work in applied music:</i>		
One-half hour private lesson per week		75.00
Each additional half-hour		55.00
Class instruction		25.00
PRACTICE FEES		
Practice room reserved time, one hour daily		8.00
Four-manual organs (Bridges Hall and Claremont United Church of Christ, Congregational) one hour weekly		5.00
Two-manual organs (Bridges Hall and Claremont United Church of Christ, Congregational – Kingman Chapel) one hour weekly		2.50

FEES FOR SPECIAL PRIVILEGES

LATE REGISTRATION (see page 93.)	\$2.00 to 10.00
CHANGE OF PROGRAM (see page 93.)	5.00
SPECIAL EXAMINATIONS	2.00
CAMPUS FEE FOR AUTOMOBILES (see page 76.)	5.00 to 10.00

FEES FOR PART-TIME STUDENTS

SPECIAL TUITION FOR STUDENTS CARRYING LESS THAN THREE	
COURSES IN A SEMESTER	per course \$300.00
	per half-course 150.00

AUDITOR'S FEES

FOR PERSONS OTHER THAN THOSE TAKING COURSES FOR CREDIT	
	per course 25.00

RESIDENCE FOR MEN

The College is equipped with residence and dining halls to accommodate most of its students. All the residence halls have both single and double rooms. It is expected that single men not actually living at home will room and dine in college halls. Admission is offered on this assumption unless an exception is made in the statement offering admission. Other exceptions to this regulation may be granted by the Dean of Men, but ordinarily only for medical reasons or for others of comparable importance. Students living at home or working for board or room may make special arrangements with the Dean of Men. Students living in residence are not permitted to maintain by rent, lease, or otherwise, rooms off campus, either individually or by groups. Students who live in approved off-campus quarters are not permitted to maintain other rooms in addition to those approved.

Residential campus privileges are provided only on the basis of an inclusive charge varying according to location of room and including board. The standard charge on the men's campus is \$575.00 per semester, but a few rooms with fireplaces are available at \$600.00. These charges include necessary furniture, bed linen and towels, the laundering of the same, and the care of rooms. Students are expected to furnish blankets, spreads for single beds, and study lamps.

The College has no housing for married students.

RESIDENCE FOR WOMEN

Women students are expected to room in residence halls and board at college dining rooms. Freshmen are normally assigned to Harwood

Court or Anna May Wig Hall. Students living at home or working for room or board may make special arrangements with the Dean of Women.

Harwood Court, Blaisdell Hall, and Anna May Wig Hall have both single and double rooms, as well as suites. Except for a few double rooms, single accommodations are provided in Mudd Hall. Oldenburg Center provides single rooms and a few double rooms and two-room suites for two students. Residential campus privileges are provided on the basis of an inclusive charge of \$575.00 per semester. These charges include necessary furniture, bed linen and towels, the laundering of the same, and the care of rooms. Students are expected to furnish blankets, spreads for single beds, and study lamps.

RESIDENCE REGULATIONS

The residence privilege does not include the use of rooms during vacation periods. The residence halls are open for new students the Friday before the opening of the college year and for returning students the day of registration. The residence and boarding privileges end 24 hours after the last examination at the end of each semester for all students except Seniors and those asked by the college to remain through Commencement. The residence and dining halls are closed the day after Commencement.

Each student is required to make a deposit of \$50. This deposit, for those students living on campus, holds a room in the residence hall, and also, for all students, is for coverage of any miscellaneous fees and bills not paid at the time of graduation or withdrawal from the college. At that time, any outstanding charges for damage to college property, or miscellaneous unsettled bills, are deducted from the deposit. Any balance remaining is refunded after graduation, or after withdrawal from the college if sixty days notice of any withdrawal from the residence hall has been received.

If a student moves out of the residence hall without giving the required sixty days notice, the entire \$50 deposit is normally forfeited. If a student who forfeits his deposit continues in college as an off-campus student, he must make a new deposit of \$50 for coverage of miscellaneous fees and bills.

The College reserves the right to dismiss from a residence hall without rebate of room rent and to withdraw dining hall privileges in the case of any student who becomes an undesirable occupant.

The College may dispose of any articles left by students for more than six months.

BILLS

All college bills are due each semester in advance and must be paid at the time of registration. Students wishing to pay by installments may do so by arrangement with the Bursar. Two options are available.

(1) *The Twelve Monthly Payment Plan:* Students desiring to spread the cost of tuition, room, board, and the health fee over a twelve-month

period may do so by arrangement with the Bursar. Payments begin with the month of June preceding the college year and end the following May 1. June 1 is the due date for the June payment. The total cost for the 1967-68 academic year, including the Student Body fee, will be \$2,927 and thus, if there is no scholarship, the amount due each month is \$243.75, plus a service charge of one dollar per month. A student may take advantage of this plan at any time by paying all installments back to June. Incoming Freshman students who wish to take advantage of the twelve monthly payment plan will be able to subtract from the total cost figure the amount of any assured scholarship or loan and pay one-twelfth of the remainder plus \$1.00 service charge per month. Matriculated students who will be receiving financial aid may enter the plan when assured scholarships or loans are known late in June by paying June and July installments, which have been adjusted by the amount of financial aid.

Adjustments in the monthly installment to cover any charges not covered in the twelve monthly payments will be made in October and February. Laboratory, music, and other miscellaneous fees will be added to the November and March payments.

(2) *Deferred Payment of Semester Bills:* At least one-fourth of the total bill for the semester must be paid in advance or at the time of registration. Students may arrange with the Bursar at the time of registration to make deferred payments. Even though the student has a financial grant, one-fourth of the remainder of the bill must be paid. A service charge of from \$3.00 to \$6.00 per semester will be made for deferred payments according to the number of installments.

If the payments agreed to are unpaid and no arrangements have been made, they become delinquent ten days after the stated date and a penalty fee of \$10.00 will be charged automatically in order to reinstate the account. If the account is still unpaid at the end of twenty days, the student will be suspended by the appropriate college official from class attendance and from the dining halls. In the event of repeated failure to make payments on schedule, the privilege of deferred payment will be withdrawn.

No refunds are made to those leaving before the end of the semester except that in the case of those leaving before the middle of the semester because of illness one-half of the tuition and laboratory fees are refunded and in the case of those dropping out for good cause within a week of their registration all but \$25.00 is returned. No refund is made on a room payment unless the room is re-rented to someone not then rooming in a college residence hall. The college reserves the right to use and reassign the room of a student who withdraws or goes on leave during a semester.

Students with unpaid bills are not given honorable dismissal or graduated. Seniors must settle all college bills and library obligations by four p.m. on the tenth day preceding Commencement if they are to receive their diplomas with their class.

Financial Aid

Under an extensive financial aid program approximately \$306,000 from funds administered by the College will be available for the assistance of Pomona students during 1967-68. These funds are derived from endowments, from individual and corporation gifts, from Federal sources, and from the annual Alumni Fund. In addition, Pomona students are eligible for California State Scholarships in amounts from \$300 to \$1,500 each, and 202 State Scholars were in residence during 1966-67.

Pomona College has adopted, with certain other West Coast colleges and universities, a joint policy aimed at achieving uniformity and equality in the distribution of scholarship funds to entering students. All these institutions make a distinction between 1) recognition of academic honor and achievement, and 2) recognition of need for financial assistance. Honors at Entrance are awarded solely in recognition of distinguished academic achievement. They are awarded without regard to need and carry no monetary grant.

Grants of financial aid are awarded to students offered admission who need financial assistance to attend Pomona College. The size of the stipend will be determined in accordance with need. Normally, one-half the annual stipend is paid at the beginning of each semester.

If a financial aid recipient's record is satisfactory and need continues, aid will be continued during the student's residence in college. Each record is reviewed annually, with attention being given to the student's participation in and contribution to the college community as well as to his academic record. The amount of the stipend will be determined each year on the basis of the financial situation at that time. All Freshmen and Sophomores who are awarded financial assistance are expected to take \$100 of their computed need in the form of a loan. Juniors and Seniors are expected to take \$200 in loan form. The College reserves the right to increase these amounts if it becomes necessary.

Entering Freshman students in need of assistance should *complete* by March 1, 1968, an application for admission, and should submit by February 15, on forms available from high school counselors, or from the Pomona College Financial Aid Office if the schools do not have the forms, a financial statement to the College Scholarship Service. This service, established by the College Entrance Examination Board in 1954 on a nation-wide basis, collects from parents or guardians information relating to the financial resources of scholarship applicants, and sends copies to the colleges and universities to which applicants are applying for financial grants. No further application form must be filed to be considered for any award administered by Pomona College.

Students applying to transfer should submit the Parents' Statement to the College Scholarship Service by April 15.

Financial stipends are also available to other matriculated students using the same procedure as for Freshmen.

Renewal forms for Pomona students currently receiving financial assistance are available in the Office of Financial Aid after February 1. Completed Parents' Confidential Statements must be filed with the College Scholarship Service no later than March 15. Supporting materials should be submitted to the Financial Aid office at Pomona no later than May 1.

FINANCIAL GRANTS AVAILABLE FOR 1967-68

ALUMNI SCHOLARSHIPS

Five or more scholarships will be awarded annually from the Alumni Scholarship Fund. These scholarships are based on financial need and are awarded not only on the basis of the academic record but also on the all around contribution to the life of the secondary school and community, and the promise of such contribution in college and afterwards. Open to men or women students.

ALPHA GAMMA SIGMA SCHOLARSHIP

One award with maximum stipend of \$1,700 is given by Pomona College to a Junior College graduate who is recommended by Alpha Gamma Sigma.

APPRECIATIVE PARENTS SCHOLARSHIP

A scholarship fund of \$16,000 has been established by the parents of a recent graduate in appreciation of the work of the College. The income from the fund is to be used to assist a worthy student who could not otherwise attend Pomona.

ARCS AWARD

An award of \$1,500 has been given to Pomona College by The Los Angeles Chapter of The ARCS Foundation, Inc., to be used for the support of a worthy student studying in the sciences in the 1967-68 academic year.

THE MARY JANE ARMENTOR FUND

A fund of \$5,000 was established by Corrie Preston Morris, in memory of his sister, the income to be used to assist worthy and needy students.

THE NELLIE S. BABSON MEMORIAL FUND

The family and friends of the late Nellie S. Babson have established in her memory a scholarship fund, the income from which is available to a student in the humanities, who is in need of financial assistance.

THE DONALD HOUGHTON BACON SCHOLARSHIP

The parents of Donald H. Bacon, who died at the College in 1948, have established in his memory a \$5,256 scholarship fund, the income from which provides an annual award to a deserving student who prepared for college at the Tucson, Arizona, High School, and who is recommended by the Superintendent of Schools in Tucson.

THE OLIVIA D. BAKER SCHOLARSHIP

The Olivia D. Baker Scholarship has been established in memory of Mrs. Olivia Dennison Baker. The scholarship is open to students of a minority race with preference given to Negro candidates. It is open either to men or women, to Freshmen or transfer students.

THE DONALD E. BAXTER FOUNDATION SCHOLARSHIP

A scholarship of \$1,000 is to be awarded in 1967-68 to a deserving student with financial need who is studying in the premedical program at Pomona College.

THE ANNE JENCKS BEACH MEMORIAL SCHOLARSHIP

A fund of \$15,133 has been established by the late William N. Beach, '01, in memory of his wife, also a graduate of the class of '01, the income from which is to be used annually to assist worthy students of good ability.

THE LLEWELLYN BIXBY MEMORIAL SCHOLARSHIP

A scholarship of \$500 available annually to a man or woman who has completed the Freshman year in Pomona College and who shows proficiency and genuine interest in science was endowed by Mrs. Llewellyn Bixby, '01, in memory of her husband.

THE HENRY C. BRAINERD AND FANNIE HOWARD BRAINERD MEMORIAL SCHOLARSHIPS

A fund of \$25,084 provides income which is available for scholarships for men or women.

THE JESSIE GREYSON BROOKS SCHOLARSHIP

A fund in the amount of \$2,650 has been established by Jessie Greyson Brooks, the income from which is to provide scholarships for students of good citizenship who have financial need.

THE THEODORE S. BROWN SCHOLARSHIPS

A fund of \$25,808 has been established by Mr. and Mrs. Theodore S. Brown, the income from which is available to students of good character who need financial help to remain in college.

THE J. CARLYLE BRYANT SCHOLARSHIP

A fund established by Mr. and Mrs. George W. Bryant in memory of their son, J. Carlyle Bryant, '45, is available to an outstanding, all-around man in any class at the college, who possesses qualities of character, scholarship, and athletic ability, and who is particularly interested in mathematics. The amount of the scholarship varies from \$500 to \$900, depending on the need of the recipient. If there should not be a properly qualified candidate in mathematics, the scholarship may be awarded to a student in one of the other physical sciences.

THE SUSAN WALKER BURKE SCHOLARSHIP

Income from a fund in the amount of \$40,362 is available to provide scholarships memorializing the late Susan Walker Burke. The awards are for any qualified Pomona College student who has financial need.

THE FRANK G. BUTLER SCHOLARSHIPS

A scholarship fund of \$81,000 has been established in memory of Frank G. Butler, the income from which is available to Sophomores, Juniors, or Seniors who have achieved scholastic distinction.

THE WINIFRED SMITH BUXTON SCHOLARSHIP

Winifred Smith Buxton, a member of the class of 1899, has established a scholarship fund of \$9,345, the income from which is to be awarded annually to a worthy student at Pomona College.

THE WILEY N. CALDWELL MEMORIAL SCHOLARSHIP-LOAN FUND

The Wiley N. Caldwell Memorial Scholarship-Loan Fund provides each year at least one scholarship of a suitable amount for any student with financial need; or principal or income, or both, may be used for loans to worthy and deserving students.

CALIFORNIA SCHOLARSHIP FEDERATION AWARD

A scholarship with maximum stipend of \$1,700 is given by Pomona College to a man or woman nominated by the California Scholarship Federation.

THE CANFIELD FOUNDATION SCHOLARSHIPS

The Canfield Foundation has made available a fund providing scholarships for women students from Los Angeles County entering Pomona College in September, 1967. These scholarships will be continued through the full undergraduate course subject to the approval of the Financial Aid Committee and the Foundation.

CHEMISTRY CONTEST SCHOLARSHIP

A scholarship with maximum stipend of \$1,700 is offered by Pomona College to a winner in the annual High School Contest sponsored by the Southern California Section of the American Chemical Society. The recipient must be among the top fifteen contestants, must show financial need, and satisfy all entrance requirements of the College.

THE CLAREMONT UNITED CHURCH OF CHRIST, CONGREGATIONAL, SCHOLARSHIP

A scholarship of \$250 is available each year to an upperclass student planning on life-time Christian service or to a Senior about to enter seminary training. Choice is made in the spring by the Financial Aid Committee upon nomination from the Department of Religion acting in consultation with the minister and a member of the World Service Committee of the Church.

THE PERRY W. CLARK MEMORIAL SCHOLARSHIP

A fund of \$10,666 has been established in memory of Perry W. Clark, the income from which is available to a deserving student in any class at the College.

COLLEGE SCHOLARSHIPS

A fund of \$243,952 has been established over the years by friends of the College, the income from which is available for the assistance of worthy students.

THE KATE CONDIT MEMORIAL SCHOLARSHIP

A scholarship of \$100, endowed by the late Mr. and Mrs. A. P. Condit, is awarded annually to an outstanding student in the Department of Music.

THE DANIEL WILLIAM COOPER SCHOLASTIC FOUNDATION

An award of \$100 is open to a man or woman in any class.

THE CORBETT SCHOLARSHIP FUND

A fund of \$104,950 established at Pomona College by the late Matthew M. Corbett provides income for aid to worthy students with financial need.

JOSEPHINE SCOTT CROCKER SCHOLARSHIP FUND

A memorial fund honoring Mrs. Crocker has been established by Mr. and Mrs. James D. Stewart, for the purpose of providing scholarships for junior college students transferring to Pomona College who desire to concentrate in History or International Relations. Two awards with maximum stipends of \$2,500 each will be awarded in accordance with the financial need of the recipients.

CYPRUS MINES CORPORATION SCHOLARSHIP

An award of \$500, available for the academic year 1967-68, has been provided by Cyprus Mines Corporation. A grant is also made to the college to help defray the full cost of instruction.

THE FRANKLIN AND LILLIAN B. DEMAREST MEMORIAL FUND

A fund of \$2,008 was established by Mr. and Mrs. Demarest, the income from which is to be used in financial aid to students.

THE GEORGE CURTIS DE GARMO SCHOLARSHIP

The late George Curtis De Garmo of Los Angeles has established a scholarship fund of \$17,406 at Pomona College, the income from which is available annually to a worthy student.

ARTHUR M. AND FANNIE M. DOLE SCHOLARSHIP FUND

A fund of \$60,000 established by the late Mr. and Mrs. Dole of Pomona provides income for financial aid to deserving students.

THOMAS J. DOWLING SCHOLARSHIPS

A fund of \$10,000 provides income which is available for awards to men and women.

ECONOMIC OPPORTUNITY GRANTS

Under provisions of the Higher Education Act of 1965, Pomona College will administer federal funds to assist qualified students of exceptional financial need to attend college.

THE RICHARD P. EDMUNDS MEMORIAL FUND

In addition to providing funds for the annual Richard P. Edmunds Memorial Prize in Physics, the Fund provides an endowment in support of scholarships awarded by the Committee on Financial Aid to any student in Pomona College who has financial need.

THE MALCOLM EVERSOLE MEMORIAL FUND

A scholarship for a man in the Junior Class to be nominated to the Committee on Financial Aid by the President of the College at the end of the nominee's second year in Pomona College. The selection is based not on scholastic rank only but on the possession of those personal qualities which indicate a high degree of promise in a student of outstanding character.

EXECUTIVES' SECRETARIES, INC., POMONA VALLEY CHAPTER SCHOLARSHIP

An award of \$800 provided by the Pomona Valley Chapter of Executives' Secretaries, Inc., is available to a woman student at Pomona College who needs financial assistance.

THE WILLIAM C. FREE AND MAZY BELL FREE SCHOLARSHIPS

The late Mrs. William C. Free of Pasadena has established a trust fund from which an income of approximately \$7,000 per year is available to Pomona College for the awarding of scholarships to students in any of the four classes. One of these scholarships is reserved for a student concentrating in music.

THE THERESE GARNER SCHOLARSHIP

A scholarship of \$940, open to a man or woman in any class, has been endowed by the late Mrs. Therese Garner.

GENERAL ELECTRIC COLLEGE BOWL SCHOLARSHIP

A fund of \$9,000 won by the Pomona College team of Dallas Holmes, '62, David Renaker, '63, Richard Wilsnack, '64, and Matthew Cartmill, '64, in the General Electric College Bowl competition, has been established as a scholarship fund, the income to be used annually to assist worthy students.

THE ROBERT E. GROSS/LOCKHEED AIRCRAFT CORPORATION SCHOLARSHIPS

A fund of \$50,000 has been established at Pomona College by the Lockheed Leadership Fund in memory of Robert E. Gross, founder and principal officer of the Lockheed Aircraft Corporation for twenty-nine years until his death in 1961. The income from the fund is available for financial assistance to worthy students who are citizens of the United States, who intend to major

in science, engineering, economics, or other fields applicable to the aerospace, electronic, marine, manufacturing or construction industries.

THE STELLA AND CHARLES GUTTMAN FOUNDATION SCHOLARSHIPS

A grant of \$5,000 has been made to Pomona College by the Guttman Foundation to provide scholarships to students of recognized ability who have completed two academic years of college and who are contemplating graduate or professional study. The awards are to be made on the basis of demonstrated financial need.

MARGARET BURTON HARWOOD SCHOLARSHIPS

A fund of \$51,171 has been established, income from which is available for scholarship awards to men or women.

THE CORINNE LOUISE HAYDEN MEMORIAL SCHOLARSHIP

The parents of Corinne Louise Hayden have established in her memory a scholarship fund of \$14,444, the income from which is available to assist students with financial need who have been offered admission when seeking to transfer to Pomona College from Citrus Junior College.

THE HAYNES FOUNDATION SCHOLARSHIPS

A grant has been made to Pomona College by the John Randolph Haynes and Dora Haynes Foundation to provide scholarships in 1967-68 to Sophomores, Juniors, and Seniors in the social sciences. The recipients must have good scholastic records, promise of professional success, and financial need.

THE A. L. HOBSON MEMORIAL SCHOLARSHIP

A scholarship of \$670 is open to a man student from Ventura County, California, who needs financial assistance to attend college. The recipient may be a member of any class at Pomona.

THE PAUL MYLREA HOLDEN SCHOLARSHIP

The late Mrs. Susie Mylrea Holden has established at Pomona College a scholarship fund of \$10,000 in memory of her son, the income from which is available annually to students who need financial help.

THE HOUCHIN FOUNDATION SCHOLARSHIP

A fund of \$5,269 has been established by the late Mr. C. E. Houchin of Bakersfield, income from which is available to Junior or Senior students who need financial aid to finish college.

THE HORACE EMORY AND EMMA BANTA HOWARD PRE-MEDICAL SCHOLARSHIPS

A fund of \$176,391 has been established by Mrs. Horace Howard, the income from which will provide financial assistance to students preparing for careers in medicine, including medical research.

THE WILLIAM J. HOWARD MEMORIAL SCHOLARSHIP FUND

Established by alumni and friends in memory of William J. Howard, '14, a scholarship of \$160 is awarded annually to a student for lessons in applied music.

THE HUGUENOT SOCIETY OF AMERICA SCHOLARSHIP

A scholarship in the amount of \$1,000 annually is available for a Pomona College student who has financial need, who is able to prove descendancy from the Huguenots in America in the 18th century. A description of the method of proving eligibility for the scholarship may be obtained from the Office of Financial Aid, Pomona College.

THE GEORGE KENNETH IRVIN MEMORIAL SCHOLARSHIP

A scholarship of \$200 per year, established by the family of the late George Kenneth Irvin, is available to a man or woman student who needs financial assistance.

THE JAMES IRVINE SCHOLARSHIPS

A scholarship fund of \$120,000 has been established by the James Irvine Foundation, the income from which will be used to assist both men and women students at Pomona College in paying their tuition, board, lodging, and other expenses incidental to their education at the college. These scholarships are limited to students residing in the State of California, preference to be given to those in Orange County.

WILLIAM L. JENCKS AND LUCY ATWATER JENCKS FUND

A fund of \$20,800 has been established by Mr. and Mrs. Jencks, the income from which is to be used to pay tuition and any and all expenses of any worthy student at Pomona College, who is financially unable to meet his own expenses.

MARCELLUS L. JOSLYN SCHOLARSHIP-LOAN FUND

The income from a gift made by Marcellus L. Joslyn is to be used to provide financial aid to above average students with financial need. Such assistance shall be given with the understanding that the recipients sign a statement of moral (not legal) obligation to repay to the fund the full principal amount thereof, when they are in a financial position to do so, together with an additional amount equal to one-half of the principal amount.

JUNIOR COLLEGE SCHOLARSHIP

An award with a maximum stipend of \$1,700 is available to Junior College graduates.

THE JUDITH KENISON MEMORIAL SCHOLARSHIP

The income from a fund of \$1,692 honoring the memory of Miss Judith Kenison is available to assist any worthy student in any class who has financial need.

THE CLAYTON A. AND LOTTIE CULLER LANGWORTHY MEMORIAL SCHOLARSHIPS

A scholarship fund of \$25,957 has been established by the late Mrs. Clayton A. Langworthy, the income from which is to be used for the education of worthy young persons with ambition and ability who otherwise would have to forego an education.

THE OLIVER DAVID LAWRENCE ORCHESTRAL SCHOLARSHIP

An annual scholarship of \$250, given in memory of Oliver David Lawrence of the class of 1968, is available to a qualified student who will continue study of his instrument in the Pomona College Music Department. It is awarded on the basis of musical ability and orchestral competence. It will normally be given to a Freshman after audition by the Music Department.

BERTHA LEBUS SCHOLARSHIP

A scholarship of \$1,050 endowed by the late Miss Bertha Lebus is available annually to a matriculated student attending the college. The recipient must be a person who shows a high degree of promise and who needs financial assistance.

THE JOHN G. LOCKE SCHOLARSHIP

A scholarship fund of \$5,000 has been established by the late John G. Locke of La Jolla, income from which is to be available to a worthy student at Pomona College.

THE LOCKHEED SCHOLARSHIPS

The Lockheed Aircraft Corporation has established at Pomona a four-year scholarship for students concentrating in a subject applicable to a career in the aircraft manufacturing industry. Such fields of concentration may be either in the sciences or the social sciences. Lockheed Scholarships include full

tuition and \$500 a year toward other college expenses, plus a grant to the college budget to help defray the full cost of instruction.

THE WILLIAM DELOSS LOVE AND POLLY LOVE DUNNING SCHOLARSHIP FUND

A fund of \$100,000 has been established at the college by the William DeLoss Love Foundation, the income to be used for scholarship purposes.

THE RICHARD N. LOUCKS, JR., MUSIC SCHOLARSHIP

A scholarship fund of \$15,000 has been established by the late Mr. Benjamin M. Stansbury, of La Canada, in honor of Richard N. Loucks, Jr., the composer of *Hail, Pomona, Hail*. The income is awarded annually to a student majoring in applied music.

THE RODNEY ALLEN MACHIN SCHOLARSHIP FUND

Income from a fund in the amount of \$3,510 has been established as a memorial to Rodney Allen Machin to provide scholarships to worthy students who have financial need.

THE MACKENZIE SCHOLARSHIP-LOAN FUND

A scholarship-loan fund of \$50,000 has been established by Miss Sophia MacKenzie, the income from which is to provide scholarships to premedical students in accordance with their financial need. Students must accept a moral responsibility to repay the amounts awarded when it is possible for the student to repay.

THE GEORGE H. MAYR EDUCATIONAL FOUNDATION SCHOLARSHIPS

The George H. Mayr Educational Foundation has made available a scholarship fund of approximately \$7,500 per year for the assistance of students from California who need financial aid to attend Pomona College.

THE AMELIE AUGUSTINE McALISTER SCHOLARSHIPS

The late Mrs. Amélie McAlister Upshur of San Marino established at Pomona a fund of \$100,000, the income from which provides scholarships for women. McAlister Scholarships are available to women in any class who need financial assistance to attend college.

THE ROBERT MCFADDEN MEMORIAL SCHOLARSHIP

A scholarship fund of \$43,777 has been established in memory of Robert McFadden, '37, who was killed in action in World War II. The income is available annually to a man student.

THE ELIZABETH McINTYRE SCHOLARSHIP

A scholarship fund of \$28,571 has been established by the late Miss Elizabeth McIntyre, income from which is available for scholarships at Pomona College.

THE MURRAY MINEHART MUSIC SCHOLARSHIP

A fund of \$9,034 has been provided by the late Mr. Murray Minehart of Laguna Beach, the income from which is available to a student of voice.

THE MINNESOTA MINING AND MANUFACTURING COMPANY SCHOLARSHIPS

A gift of \$1,000 has been received from the Minnesota Mining and Manufacturing Company to be used for one or more scholarships for qualified students with financial need at Pomona College for the year 1967-68.

OLIVER HOMES MITCHELL MEMORIAL FUND

A fund of \$47,569 established by the late Elsie Crosby Moffett provides income for a scholarship or scholarships covering the full cost of instruction to a deserving student from one of the following areas, in order of preference: Bremer County or Benton County, Iowa; the State of Iowa; any adjoining state. Should no acceptable candidate be available in any given year, the income may be used for the general educational purposes of the college.

THE FAXON MORE MEMORIAL SCHOLARSHIPS

Two scholarships of \$900 each are available annually to men students of well-rounded interests and promise of leadership. These scholarships were established by Mrs. Mary E. More of Goleta in memory of her son.

MUSIC SCHOLARSHIPS

Ten awards of \$170 each, to cover the cost of lessons in applied music, will be available in 1967-68.

THE ARTHUR NOBLE AND FRANCES W. NOBLE SCHOLARSHIP

A scholarship of \$550, endowed by the late Mr. and Mrs. Arthur Noble, is available annually to a student in any class who needs financial assistance.

THE NU ALPHA PHI MEMORIAL SCHOLARSHIP

A scholarship of \$1,175 endowed by the members of Nu Alpha Phi Fraternity is awarded annually to a man at the beginning of his Junior year. Selection is made by a special committee on the basis of outstanding character and real financial need, the latter partially determined by records of student employment during the school year. Given in memory of the Fraternity's losses in World War II.

THE NUNN, HAMILTON, NUNN MEMORIAL FUND

The late Jewel V. Hamilton has established a fund of \$891,162, the income from which is to be used for scholarships not to exceed \$750 each for worthy and qualified students of Pomona College who have financial need.

THE EVERETT S. OLIVE ORCHESTRAL SCHOLARSHIP

An annual scholarship of \$250 is awarded to a qualified student on the basis of musical ability on an orchestral instrument. It is endowed anonymously in tribute to Everett S. Olive, late Professor of Piano, whose interest has been an important factor in the development of the orchestra. It is normally given to a Freshman. The scholarship is awarded on the joint recommendation of the Music Department and the Committee on Financial Aid. An audition is normally required.

THE WALTER H. PARSONS AND HAZEN M. PARSONS MEMORIAL SCHOLARSHIP

A scholarship of \$200 given in memory of Walter H. Parsons, '04, and Hazen M. Parsons, '09, is available annually to a man or woman in any class who needs financial assistance to attend college.

THE PHYSICS CONTEST SCHOLARSHIP

A scholarship with maximum stipend of \$1,700 is offered by Pomona College to a winner in the annual High School Contest sponsored by the Southern California Section of the American Association of Physics Teachers. The recipient must be among the top fifteen contestants, must show financial need, and must satisfy all entrance requirements of the college.

THE FLORA SANBORN PITZER MEMORIAL SCHOLARSHIP

A scholarship of \$1,100 from the Sanborn-Pitzer Foundation, established by Russell K. Pitzer of the class of 1900 in memory of his wife, is available to a woman student in the Sophomore, Junior, or Senior class who has shown scholarship ability and who requires financial assistance to remain in college.

JOHN W. PORTER TRUST SCHOLARSHIP

A scholarship of \$500, available to a student from the Long Beach area, is provided annually by the John W. Porter Trust.

THE CHARLES LEE POWELL FUND

A fund of \$2,000 established by the Charles Lee Powell Foundation is available for qualified students who have financial need.

THE PRESSER FOUNDATION SCHOLARSHIPS

A fund of \$400 is given to the college annually by the Presser Foundation of Philadelphia, for the assistance of music students. Scholarships from this fund are awarded by the Music Department to students who are interested in music education or other advanced work in music.

THE CLARA S. RATEKIN SCHOLARSHIPS

The late Mrs. Clara S. Ratekin of Covina has established a fund for \$495,297, the income from which is to be used to defray the educational expenses of worthy young men and women. These awards are open to students in any class.

THE MABEL WILSON RICHARDS SCHOLARSHIPS

The Mabel Wilson Richards Scholarship Fund of Los Angeles has made available scholarship assistance for worthy and needy women students from the metropolitan Los Angeles area.

THE CHARLES HARVEY RODI MEMORIAL SCHOLARSHIP

A scholarship of \$900 established by Mrs. Lucina Rodi Updegraff, is available annually to a man studying toward a career in medicine. The award is made on the basis of ability and need, and may be available to the same student for more than one year, at the discretion of the Committee on Financial Aid.

THE ALICE M. SANBORN SCHOLARSHIP

A scholarship of \$500 annually, endowed by the late Alice M. Sanborn, is available to a man selected by the Committee on Financial Aid as a representative student at the college. The candidate shall be selected at the beginning of his Junior year, and shall receive the scholarship for both his Junior and Senior years, provided he remains worthy of continued assistance.

THE PAUL E. SCHWAB SCHOLARSHIP

A scholarship of \$200 a year, to be awarded to a Junior or Senior of high scholastic attainment, good citizenship, and need for assistance, who is planning a career in law or science, has been established by Paul E. Schwab, '17.

THE SHATTO MEMORIAL SCHOLARSHIP

A scholarship of \$250 is provided annually from the income of the Walter O. Shatto and Clara R. Shatto Memorial Fund for a qualified upperclassman or graduate student majoring in the Department of Astronomy, the candidate to be selected on the joint recommendation of the department and the Committee on Financial Aid.

THE JAMES SHULTZ SCHOLARSHIP

A fund of \$63,133, established by the late James Shultz of Fresno, provides income for scholarship awards to students in any class.

THE ADOLPH AND MARY SLECHTA SCHOLARSHIP

A fund of \$10,000 has been established by Mr. and Mrs. Adolph Slechta, the income from which is to be used for a scholarship for any deserving student who has financial need.

THE ALFRED P. SLOAN NATIONAL SCHOLARSHIP

A renewable scholarship with a maximum stipend of \$1,900, the actual amount to be based on the financial need of the recipient, is to be awarded to an outstanding male high school graduate entering Pomona College in September, 1967.

THE MARGARET I. SMITH MEMORIAL SCHOLARSHIP

Income from a fund in the amount of \$4,885 is available for worthy students who have financial need.

THE E. HERBERT SPOOR APPLIED MUSIC SCHOLARSHIPS

A fund of \$4,500 has been established in memory of E. Herbert Spoor, '15, the income to be used for applied music lessons and practice fees.

THE GERTRUDE STEWART MEMORIAL SCHOLARSHIP

A fund of \$40,000 has been established to honor the memory of Gertrude Smith Stewart, '01, the income from which is to provide scholarships for students at Pomona College who have financial need. Preference in making the grants will be shown students offered admission to Pomona from Napa Junior College.

THE OLIVIA PHELPS STOKES SCHOLARSHIPS

A scholarship fund of \$47,000 provides income which is available to worthy students at Pomona College.

THE HENRY E. STORRS AND JULIA A. STORRS SCHOLARSHIPS

A fund of \$25,000 provides income for scholarship awards to men students.

THE WILLIAM W. STOUT SCHOLARSHIPS

A fund of \$199,862 has been established from the estate of the late William W. Stout, the income from which is available for scholarship awards to worthy students in any class.

ANDREW ACKER SUGG MEMORIAL SCHOLARSHIP

A scholarship of \$1,300 available annually to a Junior or Senior man who shows promise of outstanding work in the field of science has been established by Mrs. Andrew Acker Sugg in memory of her husband.

THE HANNAH TEMPEST SCHOLARSHIPS

Two scholarships of \$125 each are awarded annually to a man and a woman studying art, in accordance with conditions laid down by the donor, Mrs. Hannah Tempest Jenkins.

THE MARY M. THORPE SCHOLARSHIP

A fund of \$10,000 has been established in the name of Mary M. Thorpe, the income from which is to provide a scholarship for any student who has financial need.

THE TITLE INSURANCE AND TRUST COMPANY FOUNDATION SCHOLARSHIP

The Title Insurance and Trust Company Foundation has established a scholarship fund at Pomona College which will provide annually \$1,700. Awards will be made to Pomona College men with financial need who expect to obtain the B.A. degree in four years. Applicants must be American citizens. The award is renewable if satisfactory grades are attained and if financial need continues.

THE UNION-TRIBUNE CHARITIES SCHOLARSHIPS

The Union-Tribune Publishing Company of San Diego has established one scholarship of \$200 in each of the four classes. A student receiving one of these scholarships for one year may continue to be a candidate for them in another school year. Preference will be given to students interested in journalism who come from San Diego County, but scholarships are open to all students.

THE UNITED CALIFORNIA BANK SCHOLARSHIPS

The California Bank has established a two-year scholarship at Pomona College to assist in his Junior and Senior years a deserving young man from Southern California who plans to follow a business career after graduation. The recipient will receive \$500 in his Junior year and \$500 in his Senior year toward the cost of tuition.

THE JOHN B. WARD MEMORIAL MUSIC SCHOLARSHIPS

A fund has been established by Mr. and Mrs. O. M. Ward in memory of their son, John B. Ward, '48, the income from which is available to students who need scholarship assistance for Applied Music. In the event that there ceases to be a need for Applied Music grants, the income from the fund is to be used for general scholarship aid to music students.

THE LURA D. WATSON MEMORIAL FUND

A memorial fund in the amount of \$24,996 honoring Lura D. Watson provides income supporting scholarships for any students with financial need.

THE ELIZABETH A. WOOD MEMORIAL FUND

A fund of \$14,296 established by Elizabeth A. Wood of the class of 1900 provides income for aid to students of a minority race, with preference to Negro candidates. The amount of the award, or awards, shall be determined by financial need.

THE WILLARD E. AND HENRIETTA P. THOMPSON ENDOWMENT FUND

A fund of \$56,287 provides income from which one or more departments of the college may employ students for clerical or other work. Only those students who need financial assistance are eligible.

APPLIED MUSIC GRANTS

A limited number of financial grants for applied music lessons are available through the Department of Music to assist those students who have financial need in the meeting of college costs as computed by the College Scholarship Service. Application by financially eligible students should be made at the beginning of the academic year through the Department of Music. Certification of need is obtained from the Office of Financial Aid, which then administers the funds in accordance with recommendations made by the Music Department.

LOAN FUNDS

The College administers loan funds obtained through the provisions of the Federal "National Defense Education Act" in addition to its own institutional loan funds. Financial need as shown by the information contained in the Parents' Confidential Statement is a necessary qualification for the use of all governmental and institutional loan funds. These funds are thus normally awarded along with scholarship grants to meet the anticipated financial need of students, but they are also used to assist students in paying their college bills when unexpected needs arise. The Office of Financial Aid also assists students applying for loans available under the Guaranteed Loan Program authorized by the Higher Education Act of 1965.

SPECIAL LOAN FUNDS

The Associated Women Students Loan Fund, administered by the Dean of Women at the request of the Associated Women Students, makes available for women students short term loans for personal emergencies. It is not normally used for loans to meet college bills. Interest at the rate of 4% begins after a period of two years.

The Associated Men Students Loan Fund, established in 1931, is available for loans in small amounts to meet personal emergencies or short-term personal needs of

Pomona men. It is not intended to be used to pay college bills. For a special need a loan may be issued on a long-term basis. The interest rate is 4%. The fund is administered by the Dean of Men at the request of the Associated Men Students.

STUDENT EMPLOYMENT

The College endeavors to find employment for students needing to earn part of their expenses. Many are thus helping themselves by various forms of labor such as clerical work, baby sitting, janitor work, waiting on tables, general house work, and gardening.

Pomona College also participates in the Federal Work-Study Program for exceptionally needy students. Details of this program may be obtained from the Placement Office in Sumner Hall.

Aid in securing employment can be obtained at the Placement Office. Entering Freshmen who wish employment should register there when they arrive on the campus in September.

FELLOWSHIPS AND SCHOLARSHIPS FOR GRADUATE WORK

The following awards may be made for 1968-69 to graduating Seniors if qualified applicants appear. Applications for these fellowships should be in the hands of the Committee on Financial Aid by April 1, 1968, except in the case of the Harsh Fellowship, application for which should be made to the Claremont Graduate School.

THE HENRY MARTYN BRACKEN AND EMILY ROBINSON BRACKEN FUND

Two or more fellowships for graduate work in the Claremont Graduate School are available from the Bracken Fund. When in any year a graduating Senior does not qualify for the award, the stipend may be given to an undergraduate student in Pomona College.

THE C. E. AND BERTHA M. HARSH MEMORIAL SCHOLARSHIP FUND

This fund, held by the Claremont Graduate School, provides income for scholarship aid to Pomona College graduates. Although the Board of Fellows is empowered to make grants of the income for the assistance of any capable and promising graduates of Pomona College attending the Claremont Graduate School, it is the preference of the donors that first consideration should be given to those who are doing advanced work in the Fine Arts.

THE WILLIAM LINCOLN HONNOLD FELLOWSHIPS

Fellowships with a stipend determined by the committee of award according to individual circumstances are available from the William Lincoln Honnold Foundation. The award is open normally only to graduating Seniors who have done four full years of work in Pomona College, who are rated in the upper half of the graduating class on the basis of their performance during both the Junior and Senior years, and who wish to continue their studies either in the Claremont Graduate School or elsewhere in America or abroad. The prime purpose of the fellowship is to promote original and creative achievement in the candidate's chosen field of activity rather than merely to reward faithful classroom work. Preference will be given to candidates preparing for scholarship rather than professional work. The selection will be based not on scholarship only but on the possession of those personal qualities which indicate a high degree of promise in a student of outstanding character. The plans for graduate work are to be made in consultation between the candidate and the Committee on Financial Aid, the committee having final authority.

UNIVERSITY OF CHICAGO LAW SCHOOL SCHOLARSHIP

A scholarship in the School of Law at the University of Chicago will be awarded on the nomination of the Pomona College Pre-law Committee. The stipend covers tuition and is renewable for two years if the student's record is satisfactory.

CLAREMONT GRADUATE SCHOOL FELLOWSHIPS

In addition to the awards for graduating Seniors offered through Pomona College, scholarships for graduate study leading to advanced degrees are available at the Claremont Graduate School. For detailed information see the catalog of the Claremont Graduate School.

**IBM RESEARCH ASSISTANTSHIPS IN THE WESTERN DATA
PROCESSING CENTER**

Pomona College is a participant in the Western Data Processing Center at the University of California at Los Angeles. Graduate students or prospective graduate students may apply for an IBM Research Assistantship, given through the Center, which consists of a half-time appointment on this campus for work in the general area of business data processing, high-speed digital computer applications or other pertinent fields. Consult Mr. Colin Haldenby, WDPC Representative on this campus, for further information.



Two students serve on the Admissions Committee.

Academic Distinctions

POMONA COLLEGE offers a number of academic distinctions, awards, and prizes to its students. These are given on the basis of academic excellence, and unlike the scholarships, listed on previous pages, are awarded without reference to financial need.

POMONA COLLEGE SCHOLARS

Students who have achieved an academic average of 10.8 in any one year are elected Pomona College Scholars for that year. This is the highest academic award which the college confers on its students.

PHI BETA KAPPA

The Pomona Chapter of Phi Beta Kappa, established in 1914, is the Gamma of California. Seniors "who are of good moral character, who are candidates for the degree of Bachelor of Arts, and who are distinguished for breadth of culture and excellence of scholarship" may be elected to membership in the Phi Beta Kappa Society. Forty-seven members of the Class of 1967 were so elected.

PRIZES AND AWARDS

The following prizes and awards are available for general accomplishments and for proficiency in the work of the several departments:

The Rena Gurley Archibald High Scholarship Prize: A prize of \$50 to be awarded to that member of the graduating class ranking highest in scholarship was established by the bequest of the late Reverend Andrew W. Archibald, D.D.

The Associated Men Students Awards: The Associated Men Students of Pomona College offer annually two awards of \$100 each. Each award is given to a man student at the end of his Junior year, one to the man who best exemplifies a combination of scholarship with leadership and proficiency in athletics, and the other to a man who best exemplifies a combination of scholarship with leadership and attainment in extra-curricular activities.

The Mary Ford Bacon Memorial Prizes: Three prizes of \$100 each for the best essays or monographs relating to the Constitution of the United States are awarded annually by the Departments of History, Government, and Economics. The three contests are conducted separately under special rules made by the faculty of each department. Entries are judged with due regard for effectiveness of style, originality of thought and depth of insight into the spirit and operation of the American constitutional system. The Mary Ford Bacon Memorial Fund also provides a sum of money for the purchase of books and other materials on the Constitution recommended by the faculty in history, government, and economics.

The Crown Zellerbach Foundation Award: An award of \$1,000 for the academic year 1967-68 will be given by the Crown Zellerbach Foundation to a Junior or Senior student, selected on the basis of achievement and promise.

The Ada May Fitts Prize: A prize of \$50 endowed by Mr. Charles T. Fitts in memory of his wife, Ada May Fitts, is awarded annually to the woman member of the graduating class who has been outstanding for her intellectual leadership and for her

influence on other students in the college. Qualities of character, personality, as well as scholarship, will be considered in making the award.

The Kappa Delta Award: An annual award of \$900, established in 1926 by alumni members of Kappa Delta Fraternity and administered under a special committee, is awarded at the beginning of his Senior year to an outstanding all-round man, who shows qualities of character, intellect, leadership, sportsmanship, and proficiency in athletic pursuits. The recipient must have been in residence during all three lower years, and must rank in the highest third of all the men in his class.

The Blair Nixon Memorial Award: An annual award of \$190 is made from a fund established by his parents and friends in memory of Blair Nixon, '33, to a Senior varsity letter winner who exemplifies the high ideals of the college in scholarship and sportsmanship. The award is made on nomination of a special committee and is presented to a Pomona man at the beginning of his Senior year.

The Phi Beta Kappa Award: An award of \$200 endowed by the Pomona Chapter (Gamma) of Phi Beta Kappa is awarded to a Senior who has been in residence for three years at Pomona and who is selected for the high quality of his scholarship and his promise of future distinction. The award is open to both men and women.

The Arvid Pierre Zetterberg Award: From a fund endowed by Mr. and Mrs. A. P. Zetterberg in memory of their son, Lt. Arvid Pierre Zetterberg, an annual award of \$100 is made to the Sophomore man who during his Freshman year exemplifies the highest qualities of character, scholarship, and interest in manly sports. The award is made on nomination of a special committee and is presented at the Opening Convocation in September.

ART

The Drew Art Prize Fund: A fund of \$1,000 established by Miss Mary Drew provides income for prizes to be awarded to beginning art students for progress in creative graphic expression.

The Rembrandt Club Art Prizes: A number of prizes, totaling \$75, are awarded by the Rembrandt Club in the form of books for excellence in drawing, design, painting, sculpture, and art history.

ASTRONOMY

The Moncrieff Astronomy Prizes: Prizes given to students in the first year course in astronomy, taken regularly in class, whose interest in the study and proficiency in the observatory work are indicated by the best notebooks kept in accordance with the teacher's suggestions. Prizes totaling \$60 were endowed by Miss Flossie C. Moncrieff, '11.

BIOLOGY

The Vaile Prizes: Prizes totaling \$40 to be awarded to outstanding students in botany or zoology were endowed by the late Mr. Charles S. Vaile.

CHEMISTRY

The Stanley D. Wilson Prize: A prize of \$50 endowed by Dr. Stanley D. Wilson is awarded annually to the student whose independent study in research shows greatest promise for creative work.

CHEMISTRY-GEOLOGY

The James A. Lyman Prize: A prize of \$100 is awarded to a Senior student majoring in chemistry or geology who, in the opinion of the chemistry-geology faculty, shows special promise of achievement in research or teaching, or both. Established in memory of Dr. James A. Lyman, Professor of Chemistry 1909-1926, by his son, Dr. George P. Lyman, '26.

ECONOMICS

The Morris B. Pendleton Prizes: One or more prizes of \$100, made possible by the Morris B. Pendleton Fund, are awarded annually to Seniors who have distinguished themselves by their work in economics.

The Leland M. Backstrand Memorial Awards in Economics: From a fund established in memory of Leland M. Backstrand, '23, by his family and friends, three awards of \$100 each will be given annually to two Senior students and one Junior student in economics. The first award will go to the Senior man or woman who has shown superior academic performance in the Senior year in economics. The second award will be made to the Senior man or woman who shows the greatest improvement from Junior year to Senior year. The third award will be made to a Junior student for superior academic performance.

ENGLISH

The John Dye Award: From a fund established by Mr. and Mrs. John Thomas Dye in memory of their son, John Thomas Dye III, of the class of 1943, who was a Lieutenant in the Army Air Corps, is offered an annual award of \$100 for the best piece of original writing to appear in a student publication. The award is announced at Commencement time.

The F. S. Jennings Memorial Prizes: Prizes totaling approximately \$300 per semester are awarded each year for excellence in English. In the award of these prizes special consideration is given to Freshman students who make persistent and successful efforts to improve the quality of their written English, and to concentrators in English literature whose critical writing is adjudged to be distinguished; but unusually fine performance in writing may be rewarded wherever it is found.

GEOLOGY

The Richard E. Strehle Memorial Award: A prize of \$400 established in memory of Richard E. Strehle, '41, who was killed in action in the Philippines in World War II, is awarded annually to a Junior or Senior man with the physical, mental and moral qualities desirable in a field geologist. Choice is made near the end of the Sophomore or Junior year by the Geology Department. The award may be withheld in any year, and additional prizes may be made in years when extra income is available.

GOVERNMENT

Three modest prizes are given by the Department annually, usually in the form of one-year junior memberships in suitable professional associations: the *Edward M. Sait Prize* to the student making the best record in the beginning course in government, the *Russell M. Story Prize* to the student doing the best work in public administration and public policy, and the *George S. Burgess Prize* to the student earning the highest grade in constitutional law.

INTERNATIONAL RELATIONS

The Cordell Hull Prize of \$50 is awarded annually to the student making the best over-all record in the study of international relations.

LATIN

The Mudge Latin Prizes: First and second prizes of \$15 and \$10, respectively, for excellence in Latin are endowed by friends of the college.

LIBRARY

The Eda Mary Haskell Library Prize: A prize of \$50 for the best library submitted by a Senior student, not necessarily for the largest or most expensive collection but for the most intelligently selected books in one or more fields of the student's interest, has been endowed by Professor John H. Kemble.

MATHEMATICS

The Llewellyn Bixby Mathematics Prize: A prize of \$25, in memory of Llewellyn Bixby, '01, is awarded annually to a Sophomore for excellence in his second year of mathematics.

The Jaeger Mathematics Prize: A prize of \$25 to be awarded annually to a Freshman in a beginning mathematics course has been endowed by Emeritus Professor of Mathematics Chester G. Jaeger and Mrs. Jaeger.

MUSIC

The Barbara Sanford Allen Prize: An annual competitive prize of \$50 to be awarded to a student in the Department of Music, above Freshman rank. This award is made possible by the husband and parents of a graduate of the Class of 1915 of Pomona College.

The Rudolph Polk Memorial Award: An award established by friends and colleagues of the late Rudolph Polk, is available to a student in instrumental music — violin, viola, cello, or piano. The award will be made, after audition, on the basis of technical competency, musicianship, and general musical background. Students of any of The Claremont Colleges are eligible.

The Cecil H. Short Memorial Prizes: Prizes established in memory of the piano technician who maintained the Pomona College pianos for fifty years. The fund enables the Department of Music to award a fine book or score to one or more graduating Seniors who have been outstanding in service and performance in the department.

PHYSICS

The Richard P. Edmunds Physics Prize: A prize of \$100 to be awarded to the upper division student nominated by the Department of Physics as the outstanding physics student of the year was endowed by the late President of Pomona College, Charles K. Edmunds, and Mrs. Edmunds, in memory of their son.

The Tileston Physics Prizes: Two prizes have been established in memory of Professor Roland R. Tileston by former students and by members of his family: a prize of \$10 to the outstanding Freshman or Sophomore student in the Physics 1 course; a prize of \$50 to the Junior student in physics whose record in the course and department work is judged most promising.

PUBLIC SPEAKING

The Kinney Prizes: Awarded to the three students who, in their first year of intercollegiate competition in Oral Interpretation, make the most distinguished records of contest success. First, second, and third prizes of \$25, \$20, and \$15, respectively, will be awarded by the college chapter of Delta Sigma Rho, on recommendation of the Director of Forensics. The prizes were endowed by the late Mrs. H. N. Kinney.

The Dole Debate Prizes: Awarded to the two lower division debate teams who, in the opinion of the Director of Forensics, have shown the greatest promise in intercollegiate competition during the year. First and second prizes of \$30 and \$20, respectively, will be awarded. The prizes, established by Mr. John H. Dole in memory of his brother, Mr. William B. Dole, were endowed by Mr. Arthur M. Dole, '96.

The Stella King Prizes: Awarded, in the form of initiation fees and keys, to those who have demonstrated outstanding and versatile performance in debate and individual speaking events to warrant their election to the national honorary forensic fraternity, Delta Sigma Rho. Juniors and Seniors who have been active for at least one year in intercollegiate forensics are eligible for election to Delta Sigma Rho, and therefore, for the King Prizes. These prizes were endowed by the late S. H. Wheeler, in memory of Miss Stella King.

RELIGION

The Hager Prize: A prize of \$25 for the best essay on a foreign missionary subject, open to all students, was endowed by the late Mr. and Mrs. C. R. Hager.

The W. Robert Rankin Prize: A prize of \$100 for the best essay on any theme or topic in Christian life and thought, open to all students, is given by an anonymous donor in honor of the former Chaplain of The Claremont Colleges.

THEATER ARTS

The Virginia Princehouse Allen Prizes in Drama: From a fund established in honor of Virginia Princehouse Allen, '26, former Director of the Theater at Pomona College, prizes of \$25 each are awarded annually for the best acting, the best work in design, and for the greatest contribution made by a non-major to the work in drama.



Oldenborg Center is a coeducational residence hall for students of foreign languages and international relations.

General Information

LIBRARY

POMONA COLLEGE shares with the other colleges in Claremont the facilities of the central Honnold Library, which together with the several branch libraries houses 422,000 volumes, 276,500 bound and unbound Government documents, 39,000 volumes in microtext, and several collections of rare books and pamphlets. The Library currently receives 3,800 periodicals and 61 newspapers. Books for the Library are purchased by the individual colleges. Total Pomona holdings in the Honnold Library and in branch libraries number 194,000 volumes. Some 16,000 art prints, slides and photographs, 3,000 sound recordings, and 5,000 maps are housed in other academic buildings.

Special Pomona Collections housed in the Honnold Building are the Mason California, the Wagner North Pacific, the McCormick Korean Libraries, the William F. McPherson Library of Western America, the Waldemar Westergaard Collection of Baltic area history, and the Carnegie and Viola Minor Westergaard Art Collections. The following Pomona College special collections are a part of the general library administered by the Honnold staff: the Parish Botany Library in Crookshank Hall and the Rancho Santa Ana Botanic Garden building; the Mathematics, Physics and Astronomy Libraries in the Robert A. Millikan Laboratory; and the Chemistry, Geology, and Zoology Libraries in the Seaver Laboratories.

In addition to the Pomona College Library, the Honnold Library also houses the libraries of the Claremont Graduate School, Claremont Men's College, Harvey Mudd College, Pitzer College, and a part of the library of Scripps College. The main Scripps College Library is housed in the Ella Strong Denison Library on the Scripps campus.

PUBLICATIONS

The stated publications of the College are issued as numbers of the *Pomona College Bulletin*, which is published six times a year. These include the *Annual Catalog*, the *Report of the President*, and *Pomona Today*, the alumni magazine.

LECTURE FOUNDATIONS

The Joseph H. Johnson Foundation, endowed by Miss Ellen B. Scripps, provides an annual income for the purpose of bringing distinguished lecturers to Pomona for a protracted stay and intimate participation in college life.

The Clark Foundation, established by Mr. Arthur O. Clark, makes it possible for the College to offer a lecture or course of lectures in the general field of religion.

The Henry D. Porter Foundation, named in honor of the late Rev. Henry D. Porter, for many years a missionary in China, provides for a lecture by some prominent worker in the field of Christian Missions.

The Fred J. Robbins Lectureship, named in honor of its donor, enables the College to bring to the campus at appropriate periods an outstanding scholar in the field of chemistry.

PUBLIC ASSEMBLIES

A general assembly of the College is held each Tuesday at 11 a.m. for the purpose of hearing visiting lecturers or members of the faculty discuss topics of interest to the whole institution. This assembly period is also used for student body and class meetings.

On stated occasions during the year, including the opening of each semester, a College Convocation is held. Full attendance of both faculty and students is expected at these exercises.

RELIGIOUS ACTIVITIES

The Claremont Colleges unite in a College Church which holds its services each Sunday morning at eleven o'clock in Bridges Hall of Music. The Church is the coordinating force for religious activities among the colleges. Students participate in the services and there is a special student choir.

The Pomona College Chapel, which is a service of worship, is held each Thursday morning from 8:30 to 8:45 in Bridges Hall. Both students and faculty participate in the service, at which attendance is voluntary.

Various expressions of religious interest and forms of religious activity exist on the Pomona campus: worship, study and discussion groups, campus and community programs of service, and contacts with inter-collegiate enterprises. These interests and their sponsoring organizations are centered in the College Church as a campus-wide agency to encourage interest in religion and to develop religious activities. The College Church maintains relationships with the national Student Christian Movement and the World Student Christian Federation.

MUSIC

The College cooperates with the other Claremont Colleges in the presentation in Bridges Auditorium of an artist series of the most distinguished masters in the field of music. Regularly included in the series is the Los Angeles Philharmonic Orchestra. For these concerts tickets are furnished without charge to each full-time student.



Advanced class in painting



IBM System/360 Computer



Chemistry seminar



Pomona College Symphony Orchestra and Choir in
a performance of Beethoven's "Missa Solemnis"

Under the auspices of the Pomona College Department of Music, public recitals by individual students, members of the faculty, and visiting artists are given frequently in Bridges Hall.

The Geiger Fund, an endowment established by the late Hector Geiger of Los Angeles in memory of his wife, Elizabeth McLeod Geiger, enables the College to bring distinguished musicians to the campus.

The Pomona College Symphony Orchestra, the Choir, the Men's and Women's Glee Clubs, the Band, and chamber music groups afford opportunity for the study and public performance of significant music under faculty coaching.

CAMPUS ORGANIZATIONS

The Associated Students: This association, whose officers are elected by the student body, coordinates all student activities. It is headed by an Executive Board, composed of the President of the Associated Students, the Presidents of the Associated Men Students and Associated Women Students, and six elected Commissioners: Social Affairs, Financial Affairs, Academic Affairs, Athletic Affairs, Communications, and External Affairs. The men and women students each have separate organizations to promote their respective interests, and each of the four classes is organized for class social life.

Honor Societies: Ghosts, for men; Mortar Board, for women.

Honorary Fraternities: Phi Beta Kappa; Gamma Chapter of Alpha Kappa Delta, sociology fraternity; California Alpha Chapter of Pi Mu Epsilon, national honorary mathematical fraternity; Delta Sigma Rho, national honorary forensic fraternity; Delta Phi Alpha, local chapter of the national honorary German society; Pi Sigma Alpha, honorary society in Political Science; Psi Chi, honorary psychology fraternity; Sigma Delta Pi, Spanish national honor society.

Local Social Fraternities: From the early days of the college, Pomona has sponsored a system of local fraternities. Currently there are seven such fraternities on the campus: Alpha Gamma Sigma, Kappa Delta, Kappa Theta Epsilon, Nu Alpha Phi, Phi Delta, Sigma Tau, and Zeta Chi Sigma. The college provides a club room for each fraternity in the residence halls on the men's campus. Fraternity members live in the residence halls and take their meals in the college dining halls. The fraternities pledge new members during the Sophomore year. There are no sororities.

Departmental Organizations: American Chemical Society, Anthropology, Caducean Society, Economics Club, English Club, French Club, German Club, International Relations Colloquium, Mathematics Club, Psychology Club, Russian Club, Spanish Club.

Other Organizations: Masquers, in Theater Arts; Women's Recreation Association.

KSPC: A 3000 watt FM radio station owned by Pomona College and operated by Pomona students, covering the entire Los Angeles basin, provides radio experience for interested students.

Claremont Colleges Organizations: International Students Organization; Democratic and Republican Clubs; Students for a Democratic Society; Volunteers in Service; Model United Nations.

STUDENT PUBLICATIONS

The Student Life, established in 1889, is the oldest college newspaper in Southern California. The students of Pomona College in 1966 voted to join the students of the four other undergraduate colleges in Claremont in establishing *The Claremont Collegian*, a newspaper published twice weekly for all the colleges. Pomona students continue to publish *The Student Life* separately.

Other student publications are the *Metate*, the yearbook; a student handbook, which contains material designed especially for new students; *MSS*, a literary magazine; and *Inquiry*, a publication of original student essays and commentary.

STUDENT PROJECTS BOARD

The Student Projects Board is a student-faculty group appointed by the Associated Students to administer a memorial fund given by the family of David Elgin, '62, for the purpose of enabling student groups, classes, and organizations to sponsor effectively and without burdensome costs projects which increase opportunities for informal and meaningful associations of students, faculty, and other groups affiliated with Pomona College.

STUDENT-FACULTY LUNCHEONS

The Trustees and the President of the College have arranged a student-faculty luncheon plan which permits a student to invite a faculty member (and spouse) to luncheon in a college dining hall twice a week without charge to the student or the faculty member. Under the same arrangement a faculty member may invite students to luncheon.

FACULTY-STUDENT COMMITTEES

Pomona College assumes that most of the matters which affect the College are of concern to both faculty and students and believes that the experience and the judgment of both should be taken into account in the management of much of the college life. For this reason a large number of the policy forming committees of the College have both faculty and students as voting members. These committees now include the follow-

ing: Admissions, Athletic Council, College Council, Courses of Study, Public Events, Radio Station, Religious Activities, and Student Advising.

CONDUCT

Pomona College assumes that its students, having voluntarily enrolled, are in sympathy with its purposes and philosophy, and will abide by its accepted practices. This basic philosophy is that all members of the college community will govern their conduct by standards of good taste and ethical judgment, and will exercise their responsibility as members of the community when these standards are disregarded by others. Any behavior on or off the campus which may bring discredit to the individual or to the College may result in disciplinary action. The use or possession of alcoholic beverages of any kind on the campus is prohibited by the College.

The faculty has placed the interpretation and execution of these policies in the hands of the Committee on Student Affairs, which consists of the deans and certain faculty members appointed by the President.

The Student Affairs Committee joins with nine students elected by the student body to form the College Council. Since 1959 the College Council has been delegated the responsibility for dealing with interclass rivalry and class shows, and for the administration of discipline, except for cases involving infringements of academic honesty and honor. The College Council also makes general policy concerning social affairs of students.

Students are held responsible for the AMS and AWS residence rules. The Judiciary Councils of the Associated Women Students and the Associated Men Students administer regulations concerning conduct in the residence halls on their respective campuses, and, acting together as a joint body, carry out the policies of the College Council and act as a court or advisory body in matters of discipline, except in those considered by the deans to involve serious problems of personality adjustment. The Judiciary Councils are empowered by the College Council to take disciplinary action up to and including expulsion in cases of misconduct. The defendant in a judiciary case may appeal any major judiciary decision to the College Council. Any judicial action resulting in expulsion must be reviewed by the College Council. The Interfraternity Judicial Board, composed of members of the AMS Judiciary and the Interfraternity Council and their faculty advisers, has the responsibility for dealing with disciplinary matters involving fraternities. The Student Affairs Committee has delegated this authority to the Interfraternity Judicial Board, and the Committee serves as the court of appeal for the Board.

Individual or collective student enterprises which use the college name and involve the absence of the participants from the college must receive the official sanction of the Committee on Student Affairs.

The College reserves the right to require the withdrawal of any student whose conduct is considered by the Student Affairs Committee to be detrimental to the best interests of the college.

REGULATIONS GOVERNING THE USE OF MOTOR VEHICLES

Every undergraduate student living on or off campus who plans to own or operate an automobile, motorcycle, motor scooter, or motorbike on the campuses of The Claremont Colleges shall register such vehicle with the Campus Security Department during college registration at the opening of each semester or within three days after the vehicle is driven in Claremont.

REGISTRATION AND LIABILITY: The student is responsible for displaying the College decal which is affixed at the appropriate place on the vehicle by the Security Department at the time of registration. At that time the student must also furnish evidence of having liability insurance.

For temporary use of two weeks or less the student is obligated to secure a temporary permit from the Campus Security Office within three days after the vehicle is driven in Claremont. In this instance no fee is charged.

All out of state and foreign students attending The Claremont Colleges who are under 21 years of age and who wish to drive in California must within 10 days after entering the State make contact with the California State Motor Vehicle Department at 211 Erie St., Pomona, California, to verify the validity of their driver's licenses and the adequacy of their insurance.

A student's vehicle is assigned to a specific campus parking lot at the time of registration. Parking on the streets in the campus area is prohibited between the hours of 8:00 a.m. and 4:00 p.m. In addition, the City of Claremont prohibits overnight parking on any streets which are not specifically designated as student parking lots. A student residing off campus may use only the parking lot to which his vehicle is assigned. Campus curb parking is reserved for visitors and maintenance vehicles during the day. It is the policy of the Claremont Colleges that motor vehicles are not intended to be used for commuting between Colleges or classes or within the Claremont campuses.

The student receives when registering the vehicle a booklet of information and regulations for which he is responsible. A driver must at all times, both on and off the campus, exercise particular care and consideration for the safety of himself and others, and must acquaint himself with the state and local traffic laws and comply with their observance.

Failure to comply with the regulations stated above and in the booklet of information issued to the student when he registers his vehicle shall constitute an offense against the college. The penalty for violation

of motor vehicle regulations of The Claremont Colleges may include fines, temporary sequestration and storage of the vehicle at the student's risk and expense, loss of campus driving privileges, or suspension from college.

VEHICLE REGISTRATION FEES: A campus-resident student who keeps a motor-driven vehicle on campus will be charged a fee of \$10 a semester. A student residing off campus and using a motor vehicle on campus will be charged a fee of \$5 a semester.

The Campus Security Office is in the Buildings and Grounds area, at the south end of the college campus on First Street.

BICYCLES

All students of The Claremont Colleges bringing bicycles to the campus are required to register them during the beginning of the college year at a time to be announced, or within 72 hours of bringing the bicycle onto the campus. This registration, for which there is a fee of 50¢, meets the requirement of the City of Claremont for bicycle registration. A fine of \$2 (payable to The Claremont Colleges at the Business Office) will be charged for failure to register within the specified period. Students should report missing bicycles immediately to the Campus Security Office.

HEALTH SERVICE

The Claremont Colleges maintain a Health Service for students while they are on campus. Three full-time physicians and a staff of nurses provide office care at Baxter Medical Building and in-patient and emergency care at the Memorial Infirmary. Consultation and treatment in the Health Service are available to students without charge. A charge is made for medicines, laboratory tests, and special supplies. Ten days in the Infirmary are provided each year without charge for room or meals; a charge of \$7.50 per day is made thereafter. Consultation and treatment by specialists in all fields can be arranged when needed. Excellent hospital facilities are available. Outside consultation, hospitalization, and surgery are arranged by the Health Service, but are not financed by the College, and payment for them is a responsibility of the individual student. Health Service care is available throughout the school year with the exception of scheduled Christmas and Spring vacations. A psychiatrist serves as consultant to the Health Service and to the Psychological Clinic and Counseling Center. His office is in the Baxter Medical Building.

The College does not assume responsibility for the complete medical care of its students, but only insofar as its present facilities will afford. Preventive medicine and campus health functions are stressed in the College medical program.

An accident and sickness medical expense insurance policy is available to all full-time students to protect against major costs. It is designed to supplement the care provided by the Health Service. It includes benefits for accidental injuries, hospitalization, surgery, doctor's visits in the hospital, emergency care, and ambulance. Premiums for coverage differ for the college year and for the summer, as stated in the policy. Detailed information is mailed to each student, usually during August. Information is also available from the Health Service.

MEDICAL REQUIREMENTS

The medical certificate required of all applicants prior to admission includes a physical examination, recent successful smallpox vaccination, a satisfactory tuberculin test, or an x-ray of the chest, performed within the preceding six months, and active immunization against tetanus.

Each academic year a student is in residence he is required to complete a tuberculin skin test or a chest x-ray by November 1. During the registration period, skin tests will be given by the health service staff to previously negative reactors. All positive reactors must be x-rayed yearly.

Failure to meet these requirements will result in the suspension of privileges of registration and class attendance until the requirements have been met.

ATHLETICS

Pomona College conducts a program of intercollegiate athletics as a member of the Southern California Intercollegiate Conference, the National Collegiate Athletic Association, and the National Association of Intercollegiate Athletics. Our teams, known as the "Sagehens," compete in football, basketball, track and field, baseball, cross country, waterpolo, swimming, soccer, wrestling, golf, tennis and bowling. Varsity teams are fielded in all sports; second teams—either Freshman or Junior Varsity—are fielded in all where student interest makes them possible.

A joint program of sports clubs is conducted with other members of The Claremont Colleges in such activities as fencing, lacrosse, rugby and skiing. Schedules are arranged for these club teams with other nearby clubs and colleges, but not exclusively within the Southern California Intercollegiate Athletic Conference.

In addition to the program of intercollegiate sports and the joint program of club teams, Pomona College maintains an extensive program of intra-mural sports open to all men students.

The direction and financial management of athletics rest with the Director of Athletics. There is a faculty Committee on Athletics, and the

Director is advised by the Athletic Council, which is composed of three members of the faculty, three members of the student body, and two members of the Alumni Council.

The College endeavors to safeguard students in the use of its physical education facilities, athletic fields, and gymnasiums, and to this end the department has established regulations concerning the use of such facilities, but it is clearly understood that students who use the same do so entirely at their own risk. It is expected that students will provide themselves with the accident insurance available through the College Health Service or through a plan of their own choosing.

PSYCHOLOGICAL CLINIC AND COUNSELING CENTER

The Psychological Clinic and Counseling Center provides psychological services to the students of the Claremont Colleges. A professionally trained and experienced staff is available to help students with personal problems, problems of career choice, career planning, difficulties with reading, study habits, premarital and marital counseling. Except for a nominal charge for certain tests which cannot be scored at the Center and for the course in Developmental Reading, services at the Center are offered free of charge to any fully enrolled student at The Claremont Colleges.

VOCATIONAL COUNSELING AND PLACEMENT

Through faculty advisers and the personnel services of the College, students receive assistance in their choice of a career. The College maintains a vocational placement service for the benefit of alumni and students. Many alumni cooperate with the Director of the Placement Service in assisting seniors and graduates to find employment and to provide reliable occupational information concerning representative business organizations, government agencies, the professions, and other opportunities for employment.

Each year conferences on careers for men and women are held on campus under the sponsorship of the academic departments and the faculty and student committees on vocational services.

GRADUATE WORK IN THE CLAREMONT GRADUATE SCHOOL

Graduate work leading to the Master of Arts degree is offered in several fields including art, Asian studies, botany, economics, education, English and American literature, French, government, history, mathematics, music, music education, psychology, Spanish, and religion. The Master of Fine Arts degree is given on a two-year program in applied arts.

In connection with the Russell M. Story Program in Business and Public Affairs the degrees of Master of Business Economics and Master of International Studies are given.

The Doctor of Philosophy degree may be taken in Asian studies, botany, economics, education, English and American literature, government, history, international relations, philosophy, psychology, and religion.

The Claremont Graduate School is authorized to recommend candidates to the California State Department of Education for the following public school teaching credentials: general elementary, general secondary, junior college, and special secondary for art. Work is also offered leading to administrative credentials and to the pupil personnel services credential.

The annual bulletin may be obtained from the Admissions Secretary, McManus Hall, Claremont, California.

GRADUATE RECORD EXAMINATION

Many graduate or professional schools require or request that applicants for admission, as well as for fellowships and scholarships, take the Graduate Record Examination administered by Educational Testing Services, the national academic testing organization. Students who wish to receive information concerning the dates on which the examination is given are advised to write early in their senior year directly to the Educational Testing Service, Box 1025, Berkeley 1, California.

SUMMER SESSION

The Claremont Summer Session is sponsored jointly by The Claremont Colleges. It is organized in a term of six to eight weeks, and offers a program of undergraduate and graduate courses. A bulletin describing summer work is published annually in February and copies may be obtained from the Summer Session Office, McManus Hall, Claremont, California.

Professional Preparation

ALTHOUGH THE primary objective of the liberal arts program at Pomona is a broad and fundamental education, some part of a student's work will contribute directly to his preparation for a vocation or for further study in graduate or professional schools. With the increasing demand for specialized knowledge, about seventy-five per cent of Pomona graduates continue their studies for a year or more after receiving the bachelor's degree. Even with the growing pressure for specialization, however, the rapid changes in many fields have given increased importance to breadth of study and to the ability to use specialized knowledge and skills in a context of social and cultural awareness. Most of the positions sought by college graduates — in business, the professions, or government — require proficiency in the use of English and foreign languages; and in many fields a knowledge of mathematics is essential.

The student should take the initiative in seeking advice on his vocational problems and objectives. If he is undecided about his plans he should avail himself of the services of the Counseling Center and should discuss his interests with his adviser or one of the deans. For those who plan to seek employment immediately after graduation, the Placement Office provides information on employment opportunities, including schedules of visits by personnel officers to Pomona and the other Claremont Colleges.

GRADUATE STUDY FOR TEACHING OR RESEARCH

The Ph.D. degree is a common requirement for college or university teaching or for research positions in government or business. A student planning postgraduate study in any of the subjects taught in Pomona College or in related fields should consult his adviser and the chairman of the department for information and advice on meeting the requirements for the proposed graduate program. Very early in the first semester information concerning national fellowships for graduate study is compiled and distributed, chiefly among Seniors.

For a list of fields of concentrations see page 95, and for details see the departmental statements and course offerings. The following list of opportunities for professional preparation is merely supplementary to these statements; it is intended as an additional preliminary aid, not a substitute for consultation and advice.

AGRICULTURE, FORESTRY, AND LANDSCAPE ARCHITECTURE

A strong program in the natural sciences is the best preparation for agriculture or forestry and, coupled with an equivalent program in art, for landscape architecture. Courses which prepare for graduate

study in these fields are available at Pomona College. A complete list of recommended courses in all three may be obtained from the Department of Botany.

ARCHITECTURE

The Art Department offers, within the framework of liberal education, training in fine arts with emphasis on subjects which form part of the requirements for advanced work in professional schools of architecture. For details of this program the student should consult the chairman of the Art Department.

BUSINESS

Students who plan to attend a graduate school of business, to study for an advanced degree in economics, or to enter one of the special executive training programs for college graduates should consult members of the Department of Economics for advice in planning their courses of study.

For an economics-engineering curriculum see the description in the section on Special Programs.

ENGINEERING

Students who plan to enter a professional engineering school should arrange a program of studies strong in mathematics and physical science. Interested students should consult Mr. Ogier and other members of the staff in physical science who are acquainted with engineering graduate school requirements.

For a combined plan of study at Pomona and the California Institute of Technology see the section on Special Programs.

LAW

The best law schools do not require any particular undergraduate concentration; they are interested in breadth of background and quality of work. Lawyers and law schools agree that the ability to write and speak with clarity and precision is of paramount importance. A broad foundation in government, economics, and history is essential; accordingly if the student concentrates in one of these, he should be sure to supplement his choice with courses in the other fields. A year of accounting is strongly recommended. Those interested may consult with a member of the Pre-law Committee: Mr. Gleason (chairman), Messrs. Bracher, Flynn, and Gay.

MEDICINE AND ALLIED FIELDS

Admission to medical school is not dependent on any particular undergraduate concentration program, nor is it guaranteed by graduation from Pomona College. The Medical Sciences Committee of Pomona College, in cooperation with the academic advisers, helps the student plan a program which ensures adequate preparation for the study of medicine and dentistry. The Committee also advises students preparing for the allied fields of medical technology, nursing, physical and occupational therapy, and hospital administration, and assists students in choosing and making application to the professional schools. All students who intend to apply to such professional schools should register with the Medical Sciences Committee in the Zoology Office, Room 100, Seaver Laboratory South soon after entering college if they expect to receive the assistance of the Committee. For further information, see the Chairman of the Committee, Mr. Beilby.

Prospective applicants for admission to medical school are urged to study as early as possible, preferably in high school, the booklet "Admission Requirements of American Medical Colleges Including Canada," which may be purchased (\$4.00) from the Association of American Medical Colleges, 2530 Ridge Avenue, Evanston, Illinois, 60201. A loan copy of this booklet is available in the Zoology Office.

THE MINISTRY

Theological seminaries have varying requirements for admission. Though some are now suggesting an undergraduate concentration in religion, there is no uniform policy. Information about specific programs and requirements of theological schools may be secured from the Department of Religion.

MUSIC

Professional work in music is so diversified that the interested student should seek the advice of competent musicians both on the faculty and outside the College. Some form of postgraduate training is generally required to qualify for positions in the profession.

PSYCHOLOGY

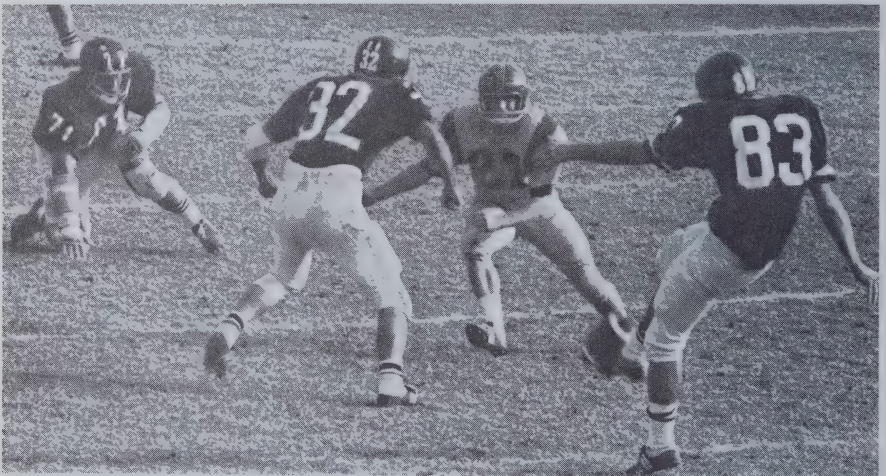
Psychologists today work in many fields of specialization in industry, education, the armed services, public health, and social services. Detailed information concerning these varied professions and recommended programs of study in preparation for graduate training in special fields may be obtained from the chairman of the Department of Psychology.

PUBLIC SCHOOL TEACHING AND ADMINISTRATION

Pomona College does not itself recommend candidates to the State Department of Education for credentials, but it does offer courses leading to later certification by a graduate school. A year of post-graduate study is required. For information concerning requirements for certification as they affect the election of courses in college, the student should consult the advisers on preparation for teaching: Mr. Faust and Miss Brown. For further information, see the statement accompanying the course offerings in Education. A joint program of Pomona College and the Claremont Graduate School is described in the section on Special Programs.

SOCIAL WORK

The field of social work covers many positions in agencies designed to meet human needs. Students interested in careers in social work are urged to consult the chairman of the Department of Sociology and Anthropology for advice on course offerings in the College, graduate school requirements, and specific job qualifications.



Varsity teams compete in ten sports.



The "Genesis" mural, by Rico Lebrun

The Curriculum

The College endeavors to help its students toward a life in which professional achievement is accompanied by personal happiness, cultural balance, and social responsibility. Its program, therefore, includes courses intended primarily for general education as well as courses designed for specialized study and pre-professional training.

The immediate objective of general education, as expressed in the course requirements of the College, is to help the student develop:

1. Ability to use the English language effectively, in reading, in writing, and in speech.
2. Knowledge of scientific thought and method.
3. Understanding of the historical development of our civilization.
4. Understanding of human society, its problems and its institutions.
5. Understanding of the nature and operation of the American economic and political institutions.
6. Knowledge and appreciation of literature and the fine arts.
7. Knowledge of and sensitivity to ethical and spiritual values.

Because of the wide range of experience and special preparation among entering students, a considerable degree of election is permitted within the requirements designed to help the student achieve a liberal education. The requirements are planned also to encourage the student to investigate fields of knowledge new to him.

To secure the benefits of intellectual discipline derived from concentrated study, and at the same time, in many instances, to prepare for professional training after graduation, every student is required by the end of the Sophomore year to select a field of concentration in which he will complete not less than six courses in upper division work during his Junior and Senior years. The field of concentration may be represented by one department or may extend beyond departmental limits to include closely related subjects. For students of outstanding ability and well-defined interests, the field of concentration may be developed into a program of honors study. These requirements and programs of study are described in detail in the following pages.

FACULTY ADVISERS

Each new student is assigned to a faculty adviser. Advisers to Freshmen are general advisers who assist Freshmen in the selection of courses and general adjustment to the academic life of the College. At the end of the student's first year and in the light of his academic interest an

adviser is assigned with whom the student will work during the remainder of his college course. If at any time a change is deemed wise it is made through the Registrar's Office.

SUMMARY OF REQUIREMENTS FOR THE DEGREE

Pomona College awards only the bachelor of arts degree. Commencement honors, *cum laude*, *magna cum laude*, and *summa cum laude*, are awarded on the basis of the over-all average of the student's work and of the quality of the comprehensive examination.

COURSES

Thirty-two courses, with the addition of eight physical education activities as described below, are required for the degree. In order to complete in eight semesters the work required for the degree, one must take an average of four courses in each semester and, in addition, the required physical education activities.

A "course" consists of approximately one-fourth of the work expected of a student during *one semester* in lecture, discussion, studio, laboratory, reading, and study. The term applies both to a semester course and to one semester of a year course. The number of hours spent in class and laboratory may vary according to the subject and the level of the work. Some courses meet four or five hours a week, and, unless otherwise indicated, a science course includes whatever laboratory work is required. Courses involving extensive reading normally meet three hours weekly with a fourth hour available for conference.

A "half-course" is allowed chiefly for work in art, music, writing, and some advanced work in independent reading or research.

A "cumulative course" is used for work (e.g., in musical groups) that continues through four semesters. Partial credit for incomplete cumulative courses is not allowed.

GRADE POINTS

In order to graduate, a student must not only complete thirty-two courses but also attain an average of at least C grade in all courses for which he has registered in Pomona College and in the regular terms of The Claremont Colleges. An explanation of the grading system will be found on pages 89-90.

RESIDENCE

A minimum of four semesters in regular full-time attendance is required for graduation. For transfer students entering with Junior standing, this means the four remaining semesters. All students, except those engaged in the C.I.T. program, the Pomona Semester Abroad program, or the Washington Semester program, must be in residence in regular standing both semesters of the Senior year.

DISTRIBUTION REQUIREMENTS

All students must satisfy the requirements for distribution as explained on pages 94-95. It is strongly recommended that students meet requirements involving lower division courses not later than the Junior year.

UPPER DIVISION REQUIREMENTS

In the Junior and Senior years all students must undertake a program of concentration leading to a comprehensive examination or its equivalent. (See pages 95-96.)

PHYSICAL EDUCATION ACTIVITIES

A student is required to take eight Physical Education Activities during his four years at the College. Exceptions to this requirement are handled by petition to the Physical Education Department. The normal registration is one activity per semester, but a student may, for purposes of accelerating this program or making up past deficiencies, enroll for a maximum of two activities per semester. The drill in each year's work in basic ROTC courses (Military Science 1a and b, 52a and b) is acceptable as one physical education activity.

The requirements for transfer students are adjusted according to (1) their previous work in physical education and (2) the class into which they transfer. The maximum requirement for Sophomore transfers would be six activities; for Junior transfers, four activities. All students have the option to participate in additional activities for no credit if they desire. Activity courses are graded on a "pass-fail" basis, and successful completion of all work is required for graduation.

AMERICAN HISTORY AND INSTITUTIONS

To be eligible for graduation all students are required by the laws of the State of California to pass examinations or courses in American history and in American and California institutions, including the provisions and principles of the United States Constitution and the principles of California state and local government as established under the Constitution of this State. The requirement in American history may be met by passing an approved course (normally History 55a or 55b); the requirement in American and California institutions may be met by passing Government 61 or 161; and either or both requirements may be met by passing special examinations. These examinations are given three times a year: for new students, before classes begin in September; for students in residence, early in the first semester and in April or May. The dates of the examinations are announced well in advance. New students are urged to take the examinations set especially for them in September.

Reading lists for those preparing for the examinations are obtainable from the departments of History and Government or from the Registrar. The examinations are objective. Students failing an examination should consider the advisability of taking a course to meet the requirement.

Transfer students who have met the State requirements in another college or university will be expected to submit an official record of the fact. Any student who has not satisfied these requirements before the beginning of the second semester of his Senior year will not be considered a candidate for graduation and will not be eligible to take the concentration examination in that semester.

FOREIGN LANGUAGES

A knowledge of a foreign language is a graduation requirement for all students who entered as Freshmen after September 1, 1963, and for all students who, as transfers, enter a class for which the requirement is effective. The requirement may be met by (1) passing the third semester of a foreign language course at Pomona (or an equivalent course at another institution, including summer sessions), with a grade of C- or better, or (2) making a score of 560 or higher on the College Board achievement test in one foreign language selected by the applicant. The College Board Achievement Tests are offered on campus at the end of each semester. Test dates and information about signing up will be announced at the beginning of each semester.

A minimum of two years of foreign language study in high school or the equivalent

is required for admission to the third semester language course at Pomona. Students who have had three or more years of a foreign language may wish to take the College Board achievement test to determine whether or not their preparation is sufficient to satisfy the minimal requirement at Pomona.

Apart from this minimal general requirement, students are advised to ascertain and prepare to meet the language requirements of their field of concentration in college and of their prospective graduate or professional schools. Many students will find it necessary and desirable to achieve a mastery of two foreign languages.

GRADUATION FEE

Every student expecting to graduate at the end of any given semester must file an application for graduation at the Registrar's Office not later than the beginning of his final semester and must include the graduation fee (\$10.00) with the payment of his other fees at the time of such registration. Failure to comply with these two requirements will automatically exclude a student from graduation that semester.

COMPLETION OF REQUIREMENTS

Requests for consideration as candidates for the Pomona College degree from former students who for any reason discontinued attendance before completing all requirements for graduation will not be considered unless submitted within seven years from the time the student normally would have been graduated.

ACADEMIC REGULATIONS AND PROCEDURE

GRADES AND GRADE POINTS

Each candidate for graduation must earn an average of at least C (i.e., six times as many grade points as courses) in courses for which he has registered in Pomona College and in the regular terms of The Claremont Colleges. Grade points are assigned on the following scale:

A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
12	11	10	9	8	7	6	5	4	3	2	0

These grade points and the resulting grade point averages may be converted to those in use before September, 1961 (A-4, B-3, C-2, D-1, F-0), by dividing by three.

Other grades used are:

P (passing) No grade points assigned.

I (incomplete due to illness).

W (withdrawn with permission).

Regulations concerning these grades and the F grade are explained in the rest of this section.

All F and I grades reported by instructors must be accompanied by a written statement of the specific reasons for the grade.

An F grade can be made up only by repeating the course. When two courses other than physical education activities constitute a year sequence (as in all courses with "a,b" or "a-b" following the number) a student who receives an F grade in the first course may register for the second only with the permission of the instructor. The making up of work which has received the F grade does not expunge the grade from the record. Although credit and grade points are allowed for the repeated work, all courses attempted and grade points earned are counted in computing the student's average.

The I grade is given when the illness of a student justifies the granting of additional time for the completion of the work. Instructors wishing to give an I grade for justifiable cause other than illness must first receive permission to do so from the Classification Committee. The statement accompanying an I grade must include a detailed explanation of how the grade can be made up. A copy of this statement is given to the student. All conditions for removing I grades must be met within seven weeks of the beginning of classes of the following semester. Upon completion of the work within this period the student will receive whatever grade he has earned. An I grade not made up within the designated period automatically becomes an F. The mark W is used when a student withdraws from a course in accordance with the provisions outlined under Changes in Registration.

The grade P (passing) is used to indicate satisfactory completion of required physical education activities and of work in musical organizations (see pages 165 and 159). It may be used also for other courses under the following restrictions:

(a) Juniors and Seniors may elect to take, outside their fields of concentration, courses to be graded "pass" or "fail." Not more than two courses in any one semester up to a maximum of four courses for the two-year period may be elected on this basis. This election may not include courses taken to fulfill distribution requirements. Students must indicate at the time of pre-registration courses to be taken on a "pass-fail" basis, and the grading option may not be changed after the last day for entering classes.

(b) Work in not more than two Junior or Senior reading or research courses within the student's field of concentration may be graded on the "pass-fail" basis at the *discretion of the instructor*. The instructor reports his decision to the Registrar within the first ten days of the semester.

Courses taken on the "pass-fail" basis are not included in the computation of the student's grade point average, but those passed are counted in the total of courses required for graduation.

AMOUNT OF WORK

The normal registration is four courses in each of the eight semesters plus Physical Education Activities and/or Military Drill. The three courses in Military Science may be taken in addition to or as part of the thirty-two courses required for graduation. Any student may take for credit, in addition to the normal registration of four courses, one of the following: Military Science; *or* Military Science and one cumulative course in Music; *or* one or two cumulative courses in Music.

Juniors and Seniors may register for more than four courses and one cumulative course in Music under the following conditions: (a) they must have a grade point average of 9.0 or better for the previous semester; (b) they may not take more than two additional courses in the four semesters of the Junior and Senior years, or more than one additional course in any semester; and (c) the option is not available to students already taking Military Science III and IV in addition to the normal registration.

The maximum number of half-courses that may be taken in any one semester is two if taken as part of a total registration of four courses, and one if taken in addition to a normal registration of four courses.

The minimum full-time load is three courses. Registration for fewer than three courses places a student in special standing. A student admitted to the college as a special student may be given regular standing only by action of the Admissions Committee. A regular student who drops to special standing may be readmitted to regular standing only by action of the Classification Committee. Special students are not considered to be candidates for a degree.

For the entire four years of college, not more than thirteen courses in one department may be counted toward meeting the graduation requirements.

COURSES IN OTHER COLLEGES

Courses taken in other of The Claremont Colleges during the regular terms may be counted as the equivalent of Pomona College courses in meeting the graduation requirements. For a course carrying less than full credit in the college which offers it, special arrangements may be made through the Registrar's Office and the Classification Committee. For further information see pages 104-105.

All summer session work will be evaluated on the basis of four semester units equalling one Pomona College course. The maximum amount of credit a student may earn in any one summer is three courses or twelve semester units. If the summer program should be the final one for completion of the requirements for the degree the maximum credit allowed is two courses or eight semester units.

AUDITING OF COURSES

Students regularly enrolled in The Claremont Colleges may, with the consent of the instructor, audit courses. Such arrangements will not be officially recorded and will not receive credit. An auditor may not participate actively in course work and may not, therefore, request registration for credit after the normal deadline for requesting course registration. Persons not regularly enrolled in the Colleges may audit courses provided they obtain the instructor's permission and pay the regular auditor's fee of \$25 per course.

QUALITY OF WORK

A student is expected to secure each semester six times as many grade points as the total number of courses for which he is registered.

By the middle of each semester instructors are requested to report all students doing unsatisfactory work for the period preceding the date of the report. In addition to these general reports, instructors are encouraged to make reports at any time concerning individual students who are not in good scholastic standing. Advisers and deans receive such reports and take such steps as are advisable in each individual case.

At the end of each semester a complete report is made on every student. This report becomes a part of the student's record and indicates his standing in the courses for which he has been registered.

The College may at any time require the withdrawal of a student if the quality of his work seems to warrant such action. Decision in every such case is reached by the joint action of the Student Affairs and Classification Committees in consultation with the student's adviser.

COMPLETION OF WORK

To be counted as work completed in the course, all papers, reports, drawings, and other assigned exercises must be turned in to instructors before the scheduled date of the final examination.

ACADEMIC RECORD

All collegiate work for which a student registers constitutes a part of the academic record, whether or not the work is completed. Students must provide the Registrar's Office with transcripts of registrations in other institutions.

READING PERIOD

An instructor of an upper division course may suspend classes for a reading period of not more than three weeks. An instructor who plans to use this option should announce his intention and describe the scope and purpose of the reading period at the beginning of the semester. Usually the reading period comes at the end of the semester. If an instructor elects to have the reading period at another time, he must send to the Dean of the Faculty and the Registrar written notice of the dates of the proposed reading period.

SUMMER READING OR RESEARCH COURSES

A department may offer for qualified students reading or research courses to be completed independently in a summer vacation. Summer reading courses were instituted primarily for the benefit of students on the Pomona Semester Abroad program and the several exchange programs. Other students may also apply for enrollment, especially for a course of readings which would supplement the regular course offerings.

The student may not enroll for more than one such course in a summer, and credit will not be given for more than two such courses. To be eligible for summer reading courses the student must have a cumulative grade point average of 7.5 and meet any other requirements the department may set.

A student enrolled in a summer reading or research course may withdraw without penalty not later than June 30, by written notice to the instructor and the Registrar. All papers are due on the first day of classes in September, and examinations must be completed not later than one week after the first day of classes. The final date for submission of grades is the second Monday after first semester classes begin. (The College reserves the right to charge a fee for these courses.)

DISMISSAL FROM COURSES

A student who proves unable or unwilling to carry a course satisfactorily may be dropped from it by the Classification Committee upon the recommendation of the instructor.

CLASS ATTENDANCE

Students are expected to maintain regular attendance at all class appointments in the courses for which they are registered.

While there is no general college requirement, each instructor has the right to establish such specific regulations regarding attendance as may seem best suited to his particular department.

FINAL EXAMINATIONS

Seniors may not take final examinations in courses in the semester in which they take their concentration examinations. Final examinations are required of all other students in all subjects save as exceptions are made by action of the Courses of Study Committee.

The schedule of final examinations is prepared by the Courses of Study Committee. Instructors may not change dates of examinations without the consent of this Committee. Examinations for individual students may not be given at other than scheduled times except by consent of the Classification Committee and on the presentation

to the instructor of a Business Office receipt for a fee of two dollars (\$2.00), unless this fee is remitted by the Committee. Special examinations are rarely scheduled, except in cases of serious emergencies, such as illness.

FIELD TRIPS

Field trips are looked upon by the faculty as a legitimate part of certain courses. Permission for such trips is secured by instructors from the Dean of the Faculty at the opening of each semester. Instructors certify to the Dean the names of students participating in these trips.

PRE-REGISTRATION AND REGISTRATION

On appointed days in January and late in the spring all students must pre-register by filling out schedules listing their choice of subjects for the following semester. The fee for any change in this pre-registration is \$5.00. New students pre-register and register on announced days at the opening of each semester. Registration is completed for all students by the payment of tuition.

The fee for late pre-registration or late registration is \$2.00 for the first or second day following the appointed days, and \$1.00 additional for every day thereafter to a maximum of \$10.00.

Students are not allowed credit for courses for which they are not formally registered. Students may not enter courses later than ten days from the beginning of class work.

CHANGES IN REGISTRATION

Forms to be used in making changes in registration are secured at the Registrar's Office. With the approval of his adviser, a student wishing to modify his schedule of studies by addition or substitution of courses may do so within ten days of the beginning of class work. All students except those registering for the first time are required to pay a change fee of five dollars. No change of registration is official unless the student has complied with the procedure established by the Registrar's Office.

The fee for a laboratory course will be refunded in full to students who withdraw from the course within ten days of the beginning of classes. One-half the full fee will be refunded to those withdrawing by the final day for withdrawal from classes without penalty, but after five weeks from the beginning of classes no laboratory fees will be refunded.

The last date for withdrawing from a course without penalty is five weeks from the first day of classes in the semester. Thereafter the dropping of a course by a student shall entail for him a grade of F for the course, except as circumstances may, in the judgment of the instructor and the Classification Committee, warrant a grade of W.

MATRICULATION

Pomona College distinguishes between the mere admission of a student and his matriculation. To be eligible for matriculation a student must have shown himself to be in accord with the spirit of the College, have carried and passed a minimum of three courses and have made at least an overall average of C in all work attempted during the first term of residence. The standing of all students is provisional until they have been matriculated. A matriculation ceremony is held early in the second semester.

Students failing to matriculate at the end of their first semester may be matriculated at the end of any subsequent semester in which they have carried a minimum of three courses provided they have met all the above requirements including an overall average of C on all work attempted during their whole period of attendance.

Students are not candidates for a degree until they have been matriculated.

THE FACULTY REGULATION ON ENGLISH

In the evaluation of all academic exercises the quality of English used by the student may be considered. Every student in every course is expected to use English that is grammatically correct and logically sound. Failure to meet such standards as may be set by the instructors for each course may result in a lower grade or failure in that course.

LEAVE OF ABSENCE

A leave of absence may be granted upon petition to the Classification Committee. Only those students in good standing academically and socially are eligible for leaves. A student on leave of absence has permission to re-enter the College in September provided notice of the intent to do so is filed with the Registrar by May 1, or in February if rooms are available. Rooms are ordinarily available in February, but unless specific commitment is made in advance this cannot be guaranteed.

Leaves granted for medical reasons require approval of the College Physician and the Classification Committee, and return from leave requires the approval of the Physician and the Classification Committee.

A leave of absence is cancelled if the holder registers in another collegiate institution without prior approval from the Classification Committee.

Students who withdraw without a leave of absence must apply for readmission to the Committee on Admissions.

REQUIREMENTS FOR DISTRIBUTION

Distribution requirements shall be met only by Pomona College courses unless exception is granted by the Classification Committee. As noted below, the regulation does not apply to the required courses outside the division of concentration in the Junior and Senior years. Students from other institutions who plan to transfer to advanced standing in Pomona College are advised to scrutinize their programs carefully to be sure they have taken the required work and to consult the Registrar concerning any questions as to the acceptance of credit.

Courses listed by number are especially recommended to meet these requirements. The term "course," as explained above, means a full course for one semester.

English 1.

Sciences. Any two courses numbered below 100 in Astronomy, Biology, Botany (*except* Botany 75), Chemistry, Geology, Physics, or Zoology. (Several departments offer courses planned especially for students concentrating in fields other than science. See the course descriptions for details. The student is advised to elect courses in areas other than those in which he has previously studied.)

Social Sciences. Three courses: Economics 51, 52; Government 61, 62, 63 or, after the Freshman year, 131; History 1a,b; Sociology 51, 52 or Anthropology 51, 53; for Juniors and Seniors any course in Sociology or Anthropology for which a student is qualified. Anthropology 57 does not clear a Social Sciences distribution requirement. It is recommended, but not required, that the student take two courses in one department. In no case may a student take all three courses in one department to meet the requirement.

Literature, Art, or Music. One course. This requirement may be met by a course primarily concerned with the appreciation of literature rather than with the mastery of language, or by a course in art or music. Acceptable courses are:

- a. English 50, 58. For students concentrating in English: 51, 52. Subject to the restrictions indicated in a few course descriptions, any upper-division course in literature may be elected by Juniors or Seniors, and by Sophomores with permission of the instructor.
- b. In the classics and in modern languages, any course, in the original or translation, numbered above 100, except courses in composition and conversation.
- c. Music 53, 54, or any semester course.
- d. Art 1, 2, 9, 51, or any semester course.

Philosophy or Religion. One course. Philosophy: 50, or any course from the Philosophy 110-114 series. Religion: 1, 2, 3, 51; for Juniors and Seniors, any course *except* 120, 121, 122, 190.

Outside the Division of Concentration: Two courses, freely elected in Pomona or the other Claremont Colleges, in addition to the requirements specified above. Of the total of ten required courses, two outside the division of concentration must be taken in the Junior or Senior year.

REQUIREMENTS FOR CONCENTRATION IN THE UPPER DIVISION

All students must make a tentative choice of a field of concentration during the Freshman year and a definite choice by the end of the Sophomore year. The concentration may be entirely in one department or it may be a joint concentration requiring work in two or more departments. The requirements for both kinds of concentration are explained under department headings before the lists of courses offered. During their first two years students will be expected to complete the basic courses required by the department or departments of their choice.

Concentrations are offered in:

Anthropology	History
Art	International Relations
Asian Studies	Mathematics
Botany	Music
Chemistry	Philosophy
Chinese Language and Literature	Physics (with an Astronomy option)
Classics	Psychology
Economics	Religion
English	Romance Languages
Geology	Sociology
German	Theater Arts
Government	Zoology

There are options within the concentrations and there are also a number of inter-departmental concentrations. For details see the departmental statements.

Each student's program of concentration shall culminate in a written comprehensive examination over the entire field in which he has concentrated. The student must pass this examination in order to qualify for graduation. In a few departments research projects take the place of the written examination. The regular comprehensive examinations are given once each year on the dates listed on the College Calendar.

No student is permitted to take both the comprehensive examination and final examinations in courses the same semester.

The comprehensive examination must be taken at the officially scheduled time. Students who have failed the examination may request permission to retake it at the opening of the college year and at the end of each semester. Such applications must be in the hands of the department concerned by September 1, December 1, or April 1. A fee of \$10 will be charged for a re-examination which is taken at other than the times set for a regular concentration examination. All students who intend to take the regularly scheduled comprehensive examination must file an application with the Registrar not later than the beginning of the semester in which the examination is to be taken.

In the event that a student does not take all or part of his comprehensive examination because of illness, he will receive an "I" for the part or parts of the examination not taken. It is the responsibility of the student who does not take a comprehensive examination because of illness to inform the department giving the examination at the earliest possible time.

A program of concentration leading to the comprehensive examination must include not less than six courses and not more than eight courses numbered over 100 in the chosen field. These limits apply to that part of the student's program on which the comprehensive examination will be set.

For the entire four years of college, not more than thirteen courses in one department may be counted toward meeting the graduation requirements. This is a permissible maximum. Most students will find it desirable, in planning for their careers after graduation, to take less than this permissible maximum; and most concentrations are planned for less than a total of thirteen courses in four years.



Stover Memorial Walk

Special Programs

COMBINED PLAN IN ENGINEERING CALIFORNIA INSTITUTE OF TECHNOLOGY

Qualified students may receive the Bachelor of Arts degree from Pomona and a Bachelor of Science degree from the California Institute of Technology after a combined five-year program, of which the first three years are taken at Pomona. Students under the combined plan will be accepted at the California Institute of Technology without examination if recommended by Pomona.

In satisfying the lower division distribution requirements of Pomona College, the humanities requirements of the Institute should be carefully considered in consultation with the adviser. In addition, the following lower division courses should normally be completed:

Physics 51 or 61
Mathematics 32 or 50

Chemistry 1 or 51
Physics 7 (Graphic Science)

Satisfaction of the Pomona College concentration requirement in pre-engineering for those students who transfer at the end of the Junior year shall include at least five upper division courses selected from the following list in consultation with the faculty adviser. Starred courses shall normally be included.

Mathematics 110*
Mathematics 120
Mathematics 160
Chemistry 158a
Physics 100*

Physics 101*
Physics 141a*, b
Physics 151*
Physics 170
Physics 195a

Students planning combined programs in fields such as chemical engineering will approximate the above requirements of five courses but with substitution of more suitable courses where deemed appropriate after consultation with the faculty adviser.

Those students concentrating in pre-engineering who plan to graduate after four years at Pomona College shall complete eight upper division courses selected from the above list.

ECONOMICS—ENGINEERING

This curriculum combines a broad and strong training in the physical sciences with an integrated program of economic and business principles. The student who follows this curriculum will be better prepared to accept with understanding the responsibilities of leadership in the modern industrial organization. The course work may be organized to prepare the student for graduate work in Industrial Management or Business Administration.

The basic Economics—Engineering requirements are: Mathematics 30, 31, 32 *or* Mathematics 50; Economics 51, 52, 71, 110; and Physics 51 *or* 61, *or* Chemistry 1 *or* 51. Those who plan to elect three or more additional upper division courses in economics may substitute Economics 104 for Economics 52.

The concentration requirement may be satisfied by taking at least one more upper division course in Mathematics, Economics, and Chemistry or Physics, with a minimum of three upper division courses (beyond the basic requirements) in one of these fields.

Each student's program will be planned in accordance with his background and interest. A faculty member will advise him which courses in each department can be counted toward the minimum requirements.

FRESHMAN SEMINARS

Several Freshman seminars have been offered on an experimental basis since 1964, and, with changes in topics, will be offered in 1967-68. The seminars, more specialized than most Freshman courses, will provide opportunities to study, by appropriate research methods, subjects of special interest to both students and instructors. Information concerning the seminars and the procedure for applying for enrollment in one of them will be mailed during the summer to the entering Freshman class.

SCIENCE

In addition to the programs of concentration described along with the course offerings of the departments, there are two special programs involving interdisciplinary study and research.

BIOPHYSICAL SCIENCES PROGRAM

For those students interested in experimental medicine, molecular biology, biophysics, biochemistry and other sciences related to biological problems, a special program supported by the National Institutes of Health was inaugurated in 1963. Opportunities include summer training and research participation, as well as academic year courses and seminars.

Students eligible for participation are those majoring in Botany, Chemistry, Mathematics, Physics, or Zoology. Participants are expected to acquire a firm background in the physical sciences, and should work out a suitable academic program in consultation with the Biophysical Sciences Program advisers.

Research participation is available at all undergraduate levels. Stipends are available for summer participation at Pomona or in other institutions. Travel grants for attendance at scientific meetings are also available.

Information about the program may be obtained from Mr. Hansch in the Department of Chemistry.

Entering students interested in the program should mention this in their application for admission to the College.

UNDERGRADUATE RESEARCH PARTICIPATION PROGRAM

Thanks to funds currently being made available by the National Science Foundation through its Undergraduate Research Participation program, selected students in biological and physical sciences at Pomona College are able to gain valuable experience in experimental science by means of active participation in research projects and in independent study. Under this program, initiated in 1959, stipends are provided for qualified students participating on a part-time basis during the academic year or working full-time in the summer for a maximum of ten weeks.

In addition to these programs there are numerous grants to faculty members for research which give participating students additional laboratory experience and provide stipends for their assistance.

STUDENT EXCHANGE PROGRAMS

Under arrangements which are made each year, two or three Pomona students are selected from interested applicants to spend a semester at Fisk University, Nashville, Tennessee. The program operates on an exchange basis, and an equal number of Fisk students come to Pomona for a semester's experience. Interested Pomona students should make application to the Fisk Exchange Committee at a time which will be announced by the Chairman of the Committee.

In 1961-62 an exchange program with Swarthmore College was inaugurated. The program, open to Sophomores and Juniors, is conducted by the Student External Affairs Committee in cooperation with the Deans. Interested students should ask for further information from the Chairman of the External Affairs Committee.

WASHINGTON SEMESTER PROGRAM

A limited number of Pomona students are able to participate in the Washington Semester program conducted by American University, which affords the opportunity of intensive study of the governmental process in Washington, D.C. At American University's invitation, Pomona College has a quota of four students annually, two each semester. The major advantage offered by the program is the opportunity to witness personally the operation of the government in its many aspects, as well as to participate in the Washington Semester Seminars, which bring leading officials of the legislative, executive and judicial branches of the government together for discussions with the participating students. The selection of the four Pomona students who will represent the college is made on a competitive basis by the Faculty Selection Committee, with preference given to Juniors and those whose academic programs are most

suitably supplemented by the opportunities afforded by participation in the Washington Semester program. Under a cooperative agreement, tuition is paid in the regular manner to Pomona College while charges for board and room are paid in Washington, D.C. Candidates selected defray their own costs for travel and other expenses. Students interested in the program are invited to consult with the chairman of the Department of Government, who serves as local representative.

STUDY ABROAD

In cooperation with The Experiment in International Living, Pomona College offers selected students an opportunity to spend a semester in residence in a foreign country in a program of independent study. Opportunity is provided for the students on this program to spend the first weeks of the semester living with a family. To be eligible for the Pomona Semester Abroad students must have the personal qualifications for living with a foreign family and the ability to study for several months without immediate supervision. Although arrangements may be made for attending lectures in foreign universities, the academic program consists chiefly of independent study planned with the assistance of a member of the Pomona College Faculty.

A student may receive credit for as many as three courses on the program. The requirements of the courses, including essays and final examinations, are set by the departments (chiefly in the social sciences and the humanities) which offer plans for the Pomona Semester Abroad.

The Semester Abroad is planned principally for the first semester of the Junior or the Senior year, but applications will be considered for the second semester of the Junior year.

Applicants for the Pomona Semester Abroad program must meet departmental requirements and are screened both by a faculty committee and by representatives of the Experiment. In the year 1966-67, fifty-one students lived and studied in ten foreign countries on the Pomona Semester Abroad program.

Students may also apply for permission to study abroad in the Junior year either by enrolling in one of the programs of foreign study conducted by American colleges and universities or by planning, and securing approval in advance of, an individual program of study at a foreign university. Further information about the Pomona Semester Abroad and about the regulations on other plans for study abroad in the Junior year may be secured from Miss Jean Walton, Dean of Women, who is Chairman of the Committee on Study Abroad.

Not all students find study abroad in their undergraduate years a profitable experience. A student interested in the possibility of study abroad should discuss the question carefully with his adviser, and he should give serious consideration to the relevance of this study to his educational objectives and his plans following graduation.

THE JOINT PROGRAM WITH THE CLAREMONT GRADUATE SCHOOL
FOR TEACHING CREDENTIALS
AND THE MASTER OF ARTS DEGREE

For students qualifying for the Elementary and Secondary Teaching Internship Programs at Claremont Graduate School, certification to teach in the public schools of California may be accomplished as follows:

Elementary Internship Program. The applicant enrolls for Introduction to Public School Teaching during the spring semester of the Senior year, followed by summer study in curriculum and a paid teaching internship of a full year in a cooperating elementary school.

Secondary Internship Program. This program is designed for the student planning to undertake study toward the Master of Arts degree in *the subject field or in Education* as an integral part of a program of preparation for high school teaching. The program has a number of optional sequences including a paid teaching internship.

Specific details of these programs are explained in the catalog of the Claremont Graduate School and in descriptive monographs available at the Internship Office in McManus Hall.



Zoology field trip

Independent Study

INDEPENDENT study is expected, of course, in connection with all college work. The term "independent study" takes on a special meaning largely as applied to arrangements, outside the regular courses, for students to undertake programs of reading or research. The opportunities for independent study in Pomona College range in scope from departmental "reading or research" courses to a plan for Honors study in the Senior year. Of the special programs described in the preceding section, two are carried on by independent study with a minimum of direction: the Undergraduate Research Participation Program and the Pomona Semester Abroad.

In each department qualified Seniors may enroll in one or more courses for independent study, and in some departments the opportunity is not limited to Seniors. Since these courses vary in methods and requirements according to the subject, the student should refer to the offerings in his field of concentration and closely allied fields.

The provision for summer reading and research is described on page 92.

SENIOR HONORS STUDY

Since 1924 Pomona College has offered a program of Honors study for the student who shows the capacity and inclination for exceptional intellectual achievement and self-direction in his study. An Honors program, consisting of carefully planned tutorial work, permits a student to devote from one-half to his entire time during his Senior year to independent study in his chosen field. The program does not aim to encourage extreme specialization, but rather to permit a student, in consultation with his faculty tutor, to plan and carry out studies of a specific topic in its varied relationships.

General administration of Honors work is vested in the Honors Committee, which reviews individual programs and administers the faculty regulations regarding them. A student enters Honors study at the beginning of his Senior year. A minimum grade point average of 9.0 is normally required for enrollment in Honors study. Application forms may be obtained at the Registrar's Office. These should be filled out in consultation with the student's prospective faculty tutor, and approved by the chairman of the department in which the student's concentration lies. The Honors Committee will discuss the program with the student, and if the program is approved, it will appoint a supervisory committee of three faculty members, the student's tutor being chairman.

In planning areas of work in the student's program of Honors study the limitation of not more than thirteen courses in one department is observed. In the event that course requirements for concentration remain unfulfilled at the time that the student begins his Honors study, his plan for the Senior year must include specific arrangements for meeting the spirit of these requirements. This may be done either by taking or auditing courses or by reading as part of the Honors program. The work thus done will be covered in the oral examination. College requirements for "distribution" other than the two courses outside the division of concentration, must be completed before beginning Honors study.

The equivalent of from four to eight courses may be allowed to Honors study. Programs of Honors study must be carried out while in residence at Pomona College.

A student in Honors study meets regularly with his tutor (usually weekly), and pursues such reading, research, experimentation, and writing as may have been outlined in his program of study and which is most appropriate for him. Normally this will include the preparation of a thesis or the completion of a significant project. The success of a student in his Honors work is measured by the quality of his thesis or project and by written and oral examinations. He will take such of the usual written comprehensive examinations set for his concentration as his department may require. In addition he will appear for an oral examination at the end of his Senior year covering the area of his Honors program.

A student may withdraw from the Honors program at the end of one semester either upon his own motion or that of his supervisory committee. In this event, the supervisory committee will assign letter grades for work completed up to that time.

Applications for admission to the Honors program are due on May 1 of the Junior year. Honors projects are due in completed form no later than May 1 of the Senior year.

A Manual of Procedure, describing the program in more detail, is available in the Registrar's office.



Anna May Wig Hall

Courses of Instruction

A SEMESTER COURSE or one semester of a year sequence is credited as a full course unless there is a notation that it is a "half-course." In a few instances, notably in advanced courses in independent reading or research, the course may be taken for full or half credit. Such courses are described as "course or half-course." For credit in military science and applied music see the explanations in the departmental statements preceding the course offerings. The number of a course indicates the level of the work, as follows:

Below 50: elementary courses, usually taken in the Freshman year.

50 to 99: second-year courses or beginning courses more advanced than those numbered below 50.

Above 100: primarily for Juniors and Seniors, but open to Sophomores who have had the prerequisites indicated in the course descriptions. Students without previous work in the same field may enter these courses only by written permission of the instructors.

The notation NC indicates that the course is not credited toward the thirty-two required for graduation.

The letters "a-b" or "a,b" following a course number indicate that it is a year sequence. The hyphen indicates that credit will be given only upon completion of both semesters. The comma indicates that credit is given for either semester, but unless a passing grade has been received for the first semester the student may enter the second semester only by permission of the instructor.

The letter "G" after a course number indicates an "intercollegiate" course, taught by a member of the Claremont Graduate School Faculty and listed in the course offerings of more than one college.

Any course may be withdrawn if the enrollment is less than seven.

COURSES IN THE CLAREMONT COLLEGES

The regulations governing off-campus registrations are the same in all The Claremont Colleges. Students may register on their own campus for courses open to them in the other Claremont Colleges subject to the following conditions:

- (1) Freshmen and Sophomores will normally register for their entire program in their college of residence. Exceptions may be made in fields of study not available in the student's own college.

- (2) A student will not register for more than one-half his total program in any one semester outside his college of residence, except as special arrangements have been made in joint programs such as Anthropology, Classics, or Mathematics.

Courses to meet the distribution requirements must be taken in Pomona College unless exception is granted by the Classification Committee. This restriction does not apply to the requirement of two courses outside the division of concentration in the Junior or Senior year. Courses to meet the concentration requirements must be taken in Pomona College, unless departments make exceptions to the rule.

When a course in one of the other colleges duplicates the material of a Pomona course, credit will not be given for both. Since there are changes in course offerings from year to year, the student and his adviser should check carefully to avoid registration for a course in another college which duplicates work taken at Pomona. It should be noted that some courses offered in the other colleges must be taken for the entire year, and consequently credit cannot be allowed for only one semester. In studies involving the use of physical equipment and laboratory space (such as art and science) and in courses conducted in small sections (such as writing and foreign languages), any college may find it necessary to impose limits on the exchange privileges.

Otherwise, within the general regulations governing off-campus registrations in all The Claremont Colleges, Pomona students may register for any courses in the other undergraduate colleges which are open for inter-collegiate registration. A number of these courses are listed in the Pomona College catalog, but registration is not limited to the courses so listed. Consult the mimeographed lists of courses of all the Colleges distributed for pre-registration, or the catalogs of the Colleges, available in faculty offices and in the Registrar's office.

Certain courses in the Claremont Graduate School are also open to Pomona Seniors who are concentrating in the fields in which the courses are offered. Short titles for a few of these courses are given following departmental offerings. For fuller descriptions and for information about other courses consult the catalog of the Claremont Graduate School. Permission to enroll in graduate courses must be secured from the chairman of the department in which the Senior is concentrating and from the instructor giving the course.

DIVISIONS

The departments of Pomona College are grouped in three divisions as follows:

DIVISION I [*Humanities*] Art, Chinese, Classics, English, Modern European Languages, Music, Philosophy, Religion.

DIVISION II [*Natural Sciences*] Astronomy, Biology, Botany, Chemistry, Geology, Mathematics, Military Science, Physics, Psychology, Zoology,

DIVISION III [*Social Sciences*] Economics, Government, History, Physical Education, Sociology and Anthropology. The concentrations in Asian Studies and in International Relations are conducted mainly within Division III.

Anthropology

See Department of Sociology and Anthropology.

Art

Two types of concentration are open to students of art within the department: the History of Art and the Practice of Art.

CONCENTRATION: HISTORY OF ART

LOWER DIVISION WORK: Art 1, 2, 51, and a combination of introductory art courses not to exceed a total of five courses. Each year, but particularly during the first two years, art history students are encouraged to take courses in classics, literature, music, and philosophy, as well as in German and French or Italian languages.

UPPER DIVISION WORK: At least one upper division art history course in each of the following areas: Ancient, Medieval, Renaissance, Baroque, and Modern. Art 191 the last semester of the Senior year.

CONCENTRATION: PRACTICE OF ART

Emphasis on Painting, Sculpture, or Pre-Architecture.

LOWER DIVISION WORK: Art 2, 51, and a combination of introductory art practice courses, and in certain cases upper division courses, not to exceed a total of four courses. Students in pre-architecture are strongly urged to take Mathematics 3a,b, and Physics 2a,b. Each student's program will be arranged according to his interest and ability.

UPPER DIVISION WORK: Five upper division courses in the practice of art, including Art 185 the last semester of the Senior year, and two courses in art history. Courses in the student's special field (painting, sculpture, or pre-architecture) should be taken each semester of the Junior and Senior years.

INTRODUCTORY COURSES

1. INTRODUCTION TO ART *Mr. Walch*
First Semester. Two sections: MWF 10; MWF 1:15.
A course designed to acquaint the student with what a work of art is and with the major critical and historical interpretations of works of art.
2. INTRODUCTION TO ART (STUDIO) *Mr. Williams*
Each Semester. Two sections: T 1:15-4:05, F 1:15-4:05 and 3 hours arranged for each section.
Using different media, the student explores problems of visual communication. No previous training in the practice of art is expected.
6. INTRODUCTORY DRAWING *Mr. Grippi*
First Semester. TTh 9-11 and 2 hours arranged. May be repeated once for credit.
A course investigating various drawing problems and methods as applied to the human figure, still life and landscape.
9. INTRODUCTORY SCULPTURE *Mr. Gray*
Each Semester. W 1:15-4:05 and 3 hours arranged. May be repeated once for credit.
A basic course in sculpture comprising a study of the nature of form and a consideration of different media and techniques.
12. INTRODUCTORY PAINTING *Mr. Grippi*
Each Semester. M 1:15-5:00 and 2 hours arranged. May be repeated once for credit.
A basic course concerned with the fundamentals of painting techniques.
18. DIRECTED PROJECTS *Staff*
Each Semester. Arranged. May be repeated once for credit. Course or half-course.
An opportunity for students who are planning to major in the practice of art to do individual work in either painting, sculpture, or drawing.
51. HISTORY OF WESTERN ART *Mr. Cikovsky and Mr. Walch*
First Semester: MWF 11. Second Semester: MWF 9.
A survey of the development of painting, sculpture, and architecture from antiquity to the present day.

HISTORY OF ART

103. THE ANCIENT NEAR EAST AND GREECE *Mr. Carroll*
Second Semester. TThS 9. (Offered in alternate years; offered in 1967-68.)
The art of Egypt, Western Asia and Greece from its beginnings to the fourth century B.C.
104. HELLENISTIC AND ROMAN ART *Mr. Carroll*
(Offered in alternate years; not offered in 1967-68.)
The art of the ancient Mediterranean from the fourth century B.C. to the end of the Roman Empire.

106. MEDIEVAL ART *Mr. Cikovsky*
Second Semester. TTh 1:15-2:30. (Offered in alternate years; offered in 1967-68.)
The development of art from the Late Antique through the Gothic, with an emphasis upon painting and sculpture.
110. THE EARLY RENAISSANCE *Mr. Walch*
(Offered in alternate years; not offered in 1967-68.)
From Giotto and the origins of the Renaissance in Italy through the fifteenth century, centering on the art of Florence, with attention also to the rest of Italy and Northern Europe.
112. HIGH RENAISSANCE AND MANNERISM *Mr. Walch*
First Semester. TTh 1:15-2:30. (Offered in alternate years; offered in 1967-68.)
Painting, sculpture and architecture of the sixteenth century.
114. BAROQUE ART OF EUROPE *Mr. Walch*
Second Semester. MWF 11. (Offered in alternate years; offered in 1967-68.)
The painting, sculpture and architecture of the seventeenth century.
115. ROCOCO AND NEO-CLASSICISM *Mr. Walch*
(Offered in alternate years; not offered in 1967-68.)
European art of the eighteenth century, from the beginnings of the rococo through the different national variations on neo-classicism.
121. AMERICAN ART *Mr. Cikovsky*
(Offered in alternate years; not offered in 1967-68.)
Art in America from the seventeenth through the twentieth centuries, with an emphasis on painting and sculpture.
134. NINETEENTH CENTURY PAINTING AND SCULPTURE *Mr. Cikovsky*
First Semester. MWF 9.
The major artistic movements, primarily in France, from 1780 to 1880.
136. TWENTIETH CENTURY ART *Mr. Cikovsky*
Second Semester. MWF 10.
Major artists and movements in Europe and America from 1880 to the present, with emphasis upon painting and sculpture.
191. RESEARCH IN ART HISTORY *Mr. Cikovsky and Mr. Walch*
Each Semester. Arranged.
A directed program of independent investigation in a selected area of the history of art. Open only to Senior concentrators.
195. DIRECTED READING *Staff*
Each Semester. Arranged. May be repeated once for credit. Permission of chairman required. Course or half-course.

PRACTICE OF ART

105. DRAWING *Mr. Grippi*
 Second Semester. TTh 9-11 and 2 hours arranged. Prerequisite: Art 6 and permission of the instructor. Half-course. May be repeated for credit.
 Practice in drawing and consideration of particular problems of graphic expression.
125. PAINTING *Mr. Grippi*
 Each Semester. F 1:15-5:00 and 2 hours arranged. Prerequisite: Art 12 and permission of the instructor. May be repeated for credit.
 A directed program of creative painting in which various painting problems are discussed and possible solutions are explored.
162. SCULPTURE *Mr. Gray*
 Each Semester. W 1:15-4:05 and 3 hours arranged. Prerequisite: Art 9 and permission of the instructor. May be repeated for credit.
 Individual projects involving various media depending upon the student's experience and ability.
185. PROBLEMS IN THE PRACTICE OF ART *Mr. Grippi, Mr. Gray and
Mr. Williams*
 Each Semester. 9 hours arranged.
 A course open only to Senior concentrators for the purpose of executing individual projects approved by the instructor.

AVAILABLE AT PITZER COLLEGE

120. GREEK ART AND ARCHAEOLOGY *Mr. Glass*
 First Semester. TTh 1:00-2:15. No prerequisites.

AVAILABLE AT SCRIPPS COLLEGE

- II-123. CERAMICS *Mr. Takemoto*
 Year course. Two sections: MW 9-12 and TTh 1:15-4:05 and 3 hours arranged. Open to Juniors and Seniors. Prerequisite: II-2 or its equivalent.
- II-125. GRAPHICS *Mr. Purdy*
 Year course. MTh 4:15-6:00 and 5 hours arranged. Open to Juniors and Seniors. Prerequisite: II-2 or its equivalent.
- II-126. ADVANCED DESIGN *Mrs. Ames*
 Year course. W 4:15-6:00 and labs arranged. Open to Juniors and Seniors with permission of the instructor. Prerequisite: II-2 or its equivalent.
- II-141. ARCHITECTURAL DESIGN AND PLANNING *Mr. Criley*
 Year course. MWF 1:15-4:05. Prerequisite: II-2 or its equivalent.

Asian Studies

The concentration in Asian Studies is intended to provide a broad background to understanding of the historical civilizations and present problems of the Asian peoples. The concentration is governed by a faculty committee whose members, in 1967-68, are Mr. H. B. Smith (chairman), Mr. Tung and Mr. Vieg.

The lower division requirement for concentration is History 60. In the upper division a total of eight courses is required, which must include at least one course in each of three areas: China, Japan, and Southeast Asia. In addition to the Senior comprehensive examination, concentrators in Asian Studies will be examined at the end of the first semester of the Senior year on a list of basic readings furnished by the committee to students beginning their Junior year.

For information on courses in Pomona College (see listings under Chinese Language and Literature, History and Religion) and the other Claremont Colleges which may be taken to meet the concentration requirement, consult any member of the committee.

Astronomy

The major stellar telescopes at the Frank P. Brackett Observatory are a recently rebuilt 12" Newtonian-Cassegrain reflector and a new 6" refractor. Both telescopes are of professional quality possessing features found on the largest research instruments, and are equipped for visual, photographic or photoelectric observations. Additional equipment includes a 4" refractor, a 3" meridian transit, a 13' spectrohelioscope and a Wild T-2 theodolite. Classroom instruction is facilitated by the use of a Spitz planetarium located in the Robert A. Millikan Laboratory.

Students who wish to pursue the study of modern astronomy and those preparing for graduate work in astrophysical science will complete the concentration in physics (astronomy option). Details of the student's program are planned in consultation with Mr. Chambers.

1. ELEMENTARY ASTRONOMY

Mr. Chambers

Each Semester. MWF 11. No prerequisites.

A descriptive, non-mathematical account of the solar system and stellar astronomy. Periodic observation of interesting celestial objects with equipment at the Observatory.

110a,b. GENERAL ASTRONOMY AND ASTROPHYSICS

Mr. Chambers

MF 1:15-2:30. Prerequisites: Physics 100, 101, Mathematics 110, or permission of the instructor. Laboratory fee \$6.00.

An intensive introduction to theoretical and observational astronomy and astrophysics. Laboratory work is an integral part of the course.

199. SELECTED TOPICS

Mr. Chambers

Permission required. Course or half-course. Available to students of proven ability.

Directed research or independent study of astronomical and astrophysical problems.

Botany

Specialized equipment for individual and class research includes: Plant growth chambers, Warburg manometers, radioactive tracer laboratory, equipment for freeze-drying, chromatography and electrophoresis; ultraviolet spectrophotometer with reflectance and flame photometer units; infra-red carbon dioxide analyzer, oxygen analyzer, plant drying room, deepfreeze cabinet, microtechnique laboratory; for each student the latest compound microscopes with oil immersion lens and dissecting scopes with Zoom-lens. The Herbarium of Pomona College is composed of 315,000 specimens, and the library matches those of the large universities. The program of study of living plants in the field is unique.

CONCENTRATION PROGRAMS: Biology 1 or Botany 5; Botany 12, 13, 15; Zoology 51 or 99 or the equivalent; high school or preferably college chemistry. Satisfaction of one of the following plans:

PLAN I. BOTANY CONCENTRATION: Botany 100, 103, 105, 107, 112, 115.

PLAN II. BOTANY-BIOLOGY CONCENTRATION: Botany 100, 103, 105, 107, 112; Zoology 100 and two courses from 110, 115, 120, 122, 157.

PLAN III. BOTANY-MOLECULAR BIOLOGY CONCENTRATION: Botany 100, 107, 112; Zoology 110, 112, 122; Chemistry 1a,b or 51 and 110a,b or 115a,b; Mathematics 30, 31, 32; Physics 2a,b.

SENIOR THESIS OR COMPREHENSIVE EXAMINATION: Seniors under any concentration program are required either (1) to present a satisfactory research paper and to pass an oral examination on the field of the paper or (2) to pass the Senior Comprehensive Examination.

PREPARATION FOR GRADUATE WORK: Students planning graduate work toward the Ph.D. Degree should consult graduate school catalogs for requirements in chemistry, physics, mathematics, and foreign language.

PLANT COLLECTION: All students in botany (plan I or II) should consult Mr. Benson concerning the plant collection built up in various courses. This is a graduation requirement, and the collection must be submitted for inspection at the time of senior comprehensive examinations. Credit for individual work on the collection beyond that in formal courses may be had by registration in Botany 75.

AGRICULTURE, FORESTRY, LANDSCAPE ARCHITECTURE: See mimeographed materials at the Botany Department.

Biology 1. HEREDITY AND EVOLUTION *Mr. Baker*
First Semester. Class and laboratory, M 2:15-4:05 and, Sect. I, W 1:15-4:05, Sect. II, Th 1:15-4:05. Field trips arranged. No prerequisite. Fee \$5.00.
Principles of Mendelian genetics; introduction to population biology; processes and mechanisms of evolution with evidence from field studies.

Biology 3. ELEMENTARY BIOLOGICAL INVESTIGATIONS *Mr. Phillips and Mr. Baker*
Second Semester. Class and laboratory, two sections, M 2:15-4:05, W 1:15-4:05 and arranged. No prerequisite. Fee \$5.00.

An experimental course intended for non-scientists as an in-depth approach to a knowledge of science by a research experience combined with seminar discussions of the philosophy of science and its place in our culture.

5. EVOLUTION OF SPECIES AND FLORAS

Mr. Benson

First Semester. Class and laboratory, TTh 1:15-3:30. No prerequisite. Fee \$5.00.

The study of evolution emphasizing the dynamic aspects of evolving species and groups of species constituting floras; study in the field of evolution in process; basic genetics necessary to understanding evolution.

12. PHYSIOLOGY AND BASIC STRUCTURE OF PLANTS

Mr. Phillips

First Semester. Class and laboratory, M 2:15-4:05, F 1:15-4:05. No prerequisite. Fee \$5.00. (Offered in alternate years; offered in 1967-68.)

Elementary study of physiological processes in plants and of the structures underlying them.

13. PLANT ECOLOGY I

Mr. Phillips

First Semester. Class, MW 11; laboratory, and field trips, F 1:15-4:05 and some longer trips. No prerequisite. Fee \$5.00. (Offered in alternate years; not offered in 1967-68.)

The effect of environment on plants; analysis of plant communities.

15. FIELD CLASSIFICATION OF FLOWERING PLANTS

Mr. Benson

Second Semester. Class and field laboratory, Sect. 1, TTh 1:15-3:30, Sect. 2, MW 1:15-3:30. Field trips arranged. No prerequisite. Fee \$5.00.

An elementary discussion and field course in classification of flowering plants.

75. INDIVIDUAL PLANT CLASSIFICATION

Mr. Benson or Mr. Baker

Each Semester. Appointments and arranged. Field trips arranged. Prerequisite: Botany 15. Course or half-course. May be repeated for credit. May be taken as a summer reading course as Botany 198. Fee \$2.00.

Collection and classification of flowering plants, ferns, and cone-bearing trees.

100. MOSSES, FERNS, AND CONE-BEARING TREES

Mr. Benson

First Semester. Class, M 11; laboratory and field trips, M 2:15-4:05, W 1:15-4:05. Prerequisite: Permission of the instructor. Fee \$5.00. (Offered in alternate years; not offered in 1967-68.)

Structure, development, evolution, and classification of mosses, liverworts, ferns, conifers, and their living and fossil relatives.

103. PLANT ECOLOGY II

Mr. Phillips

Second Semester. Class, WF 11; laboratory and field trips, F 1:15-4:05 and some longer trips. Prerequisite: Botany 13 or permission of the instructor. Fee \$5.00. (Offered in alternate years; not offered in 1967-68.)

105. PRINCIPLES OF EVOLUTION AND TAXONOMY

Mr. Benson

First Semester. Class, TTh 10; laboratory and field trips, F 1:15-4:05; longer field trips arranged. Prerequisite: Botany 5 or 15 or Biology 1. Fee \$5.00. (Offered in alternate years; offered in 1967-68.)

Evolution, relationships, and definition of plant (and animal) groups; introduction to research.

107. ALGAE, FUNGI, AND LICHENS

Mr. Baker

Second Semester. Class and laboratory, TTh 1:15-3:30. Arranged field trips. Prerequisite: Permission of the instructor. Fee \$5.00. (Offered in alternate years; not offered in 1967-68.)

Structure, development, evolution, and classification of algae, fungi, and lichens.

112. PLANT PHYSIOLOGY

Mr. Phillips

First Semester. Class, MW 8; laboratory, W 1:15-4:05. Prerequisites: Botany 12 or permission of the instructor; high school or college chemistry. Fee \$5.00. (Offered in alternate years; offered in 1967-68.)

Physiological processes and principles, including photosynthesis, germination, dormancy, water relations, mineral nutrition, respiration, and growth.

115. THE FLOWERING PLANTS

Mr. Baker

Second Semester. Class and laboratory, TTh 1:15-3:30. Field trips arranged. Prerequisite: Botany 15. Fee \$5.00. (Offered in alternate years; offered in 1967-68.)

Structure, development, evolution, and systematic survey of the angiosperms.

167. PLANT MICROTECHNIQUE

Mr. Carlquist

First Semester. Class and laboratory, arranged on T 1:15-5:05 and additional individual work. Prerequisite: Botany 12 or 100 or 115 or the equivalent, or permission of the instructor. Half-course. Fee \$5.00. (Offered in alternate years; not offered in 1967-68.)

Preparation of microscopic materials for slides of plant structures.

198. SUMMER READING AND RESEARCH

Staff

See Botany 75 and 199.

199. BOTANICAL PROBLEMS

Staff

Each Semester. Arranged. Prerequisite: Permission of the instructor. Course or half-course. May be repeated for credit. May be taken as a summer reading course as Botany 198. Fee \$2.00.

Individual studies: reading, laboratory, research or seminar work in selected topics in any field of botany. The student may anticipate preparation of a thesis for the Master's or Doctor's Degree by beginning a problem or continuing one begun in upper division courses.

Graduate work in Botany is offered through the Claremont Graduate School by the joint staffs of Pomona College, the Rancho Santa Ana Botanic Garden, and the Graduate School. The facilities for research in plant classification and ecology are particularly good because the Pomona College Herbarium includes about 315,000 specimens and the combined herbaria of the College and the Botanic Garden about 500,000. The libraries of both institutions have been developed most extensively for work in these fields.

AVAILABLE AT CLAREMONT GRADUATE SCHOOL

A wide variety of advanced courses in Botany is available at the Claremont Graduate School to qualified Seniors. Consult the department for a mimeographed list. Written permission of the chairman of the Pomona College department and of the graduate instructor is required for enrollment in graduate courses.

Chemistry

CONCENTRATION REQUIREMENTS: Each student supplements a common set of core courses with a set of courses which lies in one of the options listed below. The core courses are: Chemistry 1a,b (or 51), 110a,b, 158a,b; Mathematics 30, 31, 32 (or 50a,b); Physics 51a,b (or 61a,b); German 51 or equivalent. The options are:

- (a) Chemistry (without specialization): Chemistry 125, 159, 183.
- (b) Biochemistry: Chemistry 115a,b, 159 or 183; 2 courses in Zoology.
- (c) Chemical Physics: Chemistry 159 or 183; Mathematics 105, 110; Physics 110.

Junior and Senior majors are expected to attend the weekly departmental seminars which, in 1967-68, will normally be scheduled on Wednesday at 4:15.

PRE-PROFESSIONAL PROGRAM: A student planning to go to graduate school should, in consultation with his adviser, choose additional courses which will strengthen his preparation in the area of interest selected in options above. The course offerings have been approved by the American Chemical Society Committee for Professional Training of Chemists.

JOINT CONCENTRATION IN CHEMISTRY AND ZOOLOGY: Requirements: Zoology 51, Zoology 112 or 122; Chemistry 1a,b or 51; Chemistry 110a,b, 158a,b; Physics 51a,b; German 51 or equivalent. In addition, three upper division courses to be elected from any of the listings of Zoology, Chemistry, or Physics, with the sole restriction that one of these courses must be in Zoology.

1a,b. GENERAL CHEMISTRY

Mr. Smith and Staff

Lectures, MWF 9; laboratory, M,T,Th, or F 1:15-4:05. Fee \$6.00 and deposit \$10.00 each semester.

A beginning course to acquaint the student with the basic principles of chemistry and the reactions of the more common elements. The lectures are integrated with the laboratory work. The first semester laboratory is devoted entirely to quantitative analysis and the second semester to a combination of quantitative and qualitative analysis.

4. TOPICS IN MODERN CHEMISTRY *Mr. Quinlan, Mr. Hansch, and Mr. Cornell*

Second Semester. TTh 2:40-3:55.

Discussion of selected topics of current interest in chemistry and biochemistry with emphasis on problems of social significance. The course is intended for humanities and social science students. Necessary scientific concepts will be developed and no background in science or mathematics is required.

51. ADVANCED GENERAL CHEMISTRY

Mr. Quinlan

First Semester. Lectures, MWF 9; laboratory, W and F 1:15-4:05. Fee \$6.00 and deposit \$10.00.

A beginning course open only to well-qualified students (including Freshmen) who satisfactorily pass a written examination over specified topics which will be announced well in advance of the examination. The laboratory will include quantitative and qualitative analysis.

110a,b. ORGANIC CHEMISTRY

Mr. Hansch and Mr. Simpson

Lectures, MWF 8; laboratory, W or F 1:15-4:05. Prerequisite: Chemistry 1 or 51. Fee \$6.00 and deposit \$10.00 each semester.

A study of the syntheses and reaction mechanisms of organic compounds. The laboratory includes both synthesis and qualitative organic analysis.

115a,b. **BIOCHEMISTRY**

Mr. Cornell

Lectures, MWF 9; laboratory, T or F 1:15-4:05. Prerequisite: Organic Chemistry. Fee \$6.00 and deposit \$10.00 each semester.

Introduction to intermediary metabolism and the fundamentals of molecular biology. The laboratory will emphasize the use of radioisotopes in biochemical research.

125. **ADVANCED ORGANIC LABORATORY**

Mr. Hansch

First Semester. Laboratory, T 1:15-4:05 and Th 8:00-10:50 and 1:15-4:05. Prerequisite: Chemistry 110 and reading knowledge of German. Fee \$6.00 and deposit \$15.00.

Selected organic preparations of an advanced nature, and qualitative organic analysis. Extensive use of the chemical literature is involved.

158a,b. **PHYSICAL CHEMISTRY**

Mr. Quinlan

Lectures, MWF 11 and one hour arranged. Prerequisites: Chemistry 1 or 51, Physics 51, Mathematics 30, 31, 32 or 50.

The principles of chemical thermodynamics with applications to solutions, equilibrium, and electrochemistry. Fundamentals of quantum chemistry, kinetic theory, chemical kinetics, and selected topics.

159. **PHYSICAL CHEMISTRY LABORATORY**

Mr. Beilby

Second Semester. Laboratory three afternoons arranged. Organizational meeting at 1:15 on first day of classes. Prerequisite: Chemistry 1 or 51, and 158 (158b may be taken concurrently). Fee \$6.00 and deposit \$10.00.

Selected experimental work in physico-chemical measurements including treatment of data by computer methods. For students not taking Chemistry 183 application of physico-chemical measurements to analytical methods may be included.

183. **ADVANCED ANALYTICAL CHEMISTRY**

Mr. Beilby

First Semester. Lectures, MWF 10, for first 10 weeks of semester; laboratory three afternoons arranged during last ten weeks of semester. Prerequisite: Chemistry 1 or 51, and 158. Fee \$6.00 and deposit \$10.00.

Discussion of modern methods of chemical analysis with emphasis in the laboratory on instrumental methods of analysis. For students not taking Chemistry 159 physico-chemical measurements may be included in the laboratory.

184. **ADVANCED ORGANIC CHEMISTRY**

Mr. Simpson

First Semester. Lectures TThS 9 and one lecture arranged. Prerequisite: Chemistry 110 and 158.

Selected topics discussed at an advanced level.

185. **ADVANCED INORGANIC CHEMISTRY**

Mr. Beilby

Second Semester. MWF 10. Prerequisite: Chemistry 158.

Selected topics discussed at an advanced level.

199. **SELECTED TOPICS IN CHEMISTRY**

Staff

Each Semester. Arranged. Permission of instructor required. Course or half-course. Open to upper division students with a grade average of B or better in Chemistry.

The following types of work are available:

- (a) Independent study of advanced subjects not treated in other courses in the department.
- (b) Directed research.
- (c) Advanced techniques in chemistry: advanced organic syntheses, electronics for chemical instrumentation, or intensive study and experience with one of the modern research instruments such as the mass spectrometer, neutron generator, analytical ultracentrifuge, electron microscope, and nuclear magnetic resonance instrument.

Chinese Language and Literature

The concentration in Chinese Language and Literature consists of a minimum of eight upper division courses, including Chinese 101a,b and History 144a,b. The other four courses may be selected from offerings of this department, or from suitable courses offered in other departments, subject to approval by the Chinese department. A maximum of two of the required courses may be taken in other of the Claremont Colleges, subject to approval of this department.

1a-b. ELEMENTARY CHINESE

Mr. Tung

MTWF 10.

Introduction to the National Language (Mandarin), both spoken and written.

51a,b. INTERMEDIATE CHINESE

Mr. Tung

MWF 11. Prerequisite: Chinese 1a-b or equivalent.

Continuation of first year Chinese.

101a,b. ADVANCED CHINESE

Mr. Ho

MWF 8. Prerequisite: Chinese 51a,b or equivalent.

Continuation of second year Chinese and introduction to classical Chinese.

120. MAJOR TRADITIONS OF CHINESE THOUGHT

Mr. Ho

MWF 2:15.

Chinese thought, its origins and developments against the background of Chinese historical civilization, and including the world-view of the folk.

140. CHINESE LITERATURE IN TRANSLATION

Mr. Tung

First Semester. MWF 9.

Reading of representative Chinese literary works with lectures and discussions on the Chinese literary tradition, its historical development and genres.

151. MODERN CHINESE LITERATURE IN TRANSLATION

Mr. Tung

Second Semester. MWF 9.

Chinese literature since 1917 and its political and social implications.

191. SELECTED READINGS IN CHINESE LITERATURE

Staff

Each Semester. Arranged. Permission of instructor required. Course or half-course. May be repeated once for credit.

Selections from classical and colloquial texts.

195. READING AND RESEARCH

Staff

Each Semester. Arranged. Permission of instructor required. Course or half-course. May be repeated for credit.

Introduction to sinology. Reading programs individually arranged.

THE CULTURAL LEGACIES OF EAST ASIA. For description see History 60.

HISTORY OF CHINA. For description see History 144a,b.

Courses of Instruction

Classics

A coordinated program is offered by the Classics Departments of The Claremont Colleges.

For concentration in Classical languages and literature a student is required to take at least seven courses in Greek and Latin numbered above 100 and to complete a reading list from Greek and Latin authors in class work or independent study. At least two courses in Modern European languages are strongly recommended. Electives in history, art history, philosophy and European literature are advisable.

For concentration in Classics-Religion, see a member of the Department.

GREEK

51a-b. ELEMENTARY GREEK

Mr. Carroll

MTWF 8.

Greek grammar and syntax for beginning students. Selected readings from Classical and New Testament Greek.

101a,b. INTERMEDIATE GREEK

Mrs. Cody and Mr. Athanassakis

First Semester: MWF 11. For students with Classics 51a-b or equivalent.

Second Semester: Claremont Men's College.

Review of grammar and syntax and selected readings from Herodotus, Euripides, Plato, Homer.

182a,b. GREEK READINGS AND COMPOSITION

Mr. Athanassakis and Mr. Carroll

Arranged. Second semester may precede first and either course may be repeated for credit. For students with Classics 101 or equivalent. First Semester: Claremont Men's College. Second Semester: Pomona College.

Readings in the orators, historians, philosophers, dramatists and lyric poets.

LATIN

57a,b. INTERMEDIATE LATIN

Mr. Athanassakis and Mr. Carroll

MWF 1:15. For students with one or two years of secondary school Latin or Scripps Latin I-8. First Semester: Scripps College. Second Semester: Pomona College.

Review of grammar and syntax and readings from Cicero, Sallust and Ovid.

181a,b. LATIN READINGS AND COMPOSITION

Mrs. Cody

Arranged. For students with more than two years of secondary school Latin, Classics 57, or Scripps I-58. Second semester may precede first and either course may be repeated for credit.

Readings in Latin prose and poetry.

195. READING AND RESEARCH

For students who have completed at least one course in classics numbered above 100 and are judged capable of independent study by the department. The course may be taken during the regular term or summer vacation or as part of the Pomona Semester Abroad. Study project must be approved in advance and evaluated at conclusion by the department. May be repeated once for credit.

HEBREW

52a,b. ELEMENTARY BIBLICAL HEBREW

Mr. Whedbee

Arranged.

Basic elements of Hebrew grammar and translation of selected Old Testament prose passages.

102. READINGS IN BIBLICAL HEBREW

Mr. Whedbee

First Semester. Arranged. For students with Classics 52b or equivalent.

Review of grammar and readings and exegesis of selected Old Testament prose and poetic material.

GREEK AND ROMAN LITERATURE IN TRANSLATION

121. CLASSICAL MYTHOLOGY

Mr. Glass and Mr. Carroll

Second Semester. TTh 1:15-2:30. No prerequisite. (A joint offering with Pitzer College.)

The structure and interpretation of Greek and Roman myth. Readings from ancient literature in English translation.

HISTORY OF GREECE. For description see History 101.

HISTORY OF ROME. For description see History 102.

ANCIENT ART. For description see Art 103, 104.

For other courses in translation and art history see the catalogs of Pitzer College and Scripps College.

AVAILABLE AT CLAREMONT MEN'S COLLEGE

75. INTERMEDIATE GREEK

Mr. Athanassakis

Second Semester. Arranged. (Follows Pomona College Classics 51b or equivalent.)

116. ADVANCED GREEK

Mr. Athanassakis

First Semester. Arranged. (Follows Pomona College Classics 101 or equivalent.)

AVAILABLE AT PITZER COLLEGE

120. GREEK ART AND ARCHAEOLOGY

Mr. Glass

First Semester. TTh 1:15-2:30.

170. ROMAN HISTORIANS

Mr. Glass

Second Semester. MWF 2:15.

175. ROMAN SATIRE

Mr. Glass

First Semester. MWF 2:15.

195. READINGS IN LATIN PROSE AND POETRY

Mr. Glass

Arranged.

AVAILABLE AT SCRIPPS COLLEGE

- I-8a,b. ELEMENTARY LATIN *Mr. Palmer*
 Year course. MTWThF 2:15. (Offered in alternate years; not offered in 1967-68.)
- I-101. THE LATIN LYRIC *Mr. Palmer*
 First Semester. MWF 10. (Offered in alternate years; offered in 1967-68.)
- I-102. THE ROMAN LETTER *Mr. Athanassakis*
 Second Semester. MWF 10.
- I-104. ROMAN DRAMA *Mr. Palmer*
 First Semester. MWF 10. (Offered in alternate years; not offered in 1967-68.)
- I-105. LUCRETIVS *Mr. Palmer*
 Second Semester. MWF 10. (Offered in alternate years; not offered in 1967-68.)
- I-107. GREEK TRAGEDY IN TRANSLATION *Mr. Palmer*
 First Semester. T 7-10 p.m.
- I-108. ADVANCED LATIN PROSE COMPOSITION *Mr. Palmer*
 Second Semester. Arranged. (Offered in alternate years; offered in 1967-68.)
- I-178. THE ROMAN ELEGY *Mr. Palmer*
 First Semester. Arranged. (Offered in alternate years; not offered in 1967-68.)
- I-181. MEDIEVAL LATIN *Mr. Palmer*
 Second Semester. Arranged. (Offered in alternate years; not offered in 1967-68.)
- I-190. SENIOR SEMINAR IN CLASSICS *Claremont Colleges Staff*
 First Semester. T 4-6.

Computer Science

The Computer Center has some of the most advanced equipment available today. An IBM System/360 Model 40 has been in use since September 1965; its present configuration is 32,768 characters of storage, a disk drive (by which the Disk Operating System controls all processing), four tape drives, a printer, a card reader/punch, a typewriter-console, and a Calcomp plotter.

Several non-credit courses in computer systems and programming are offered during the year, usually in the evening, and they are open to all interested students, faculty, and staff. Inquiries about the courses, or the use of the Center, should be addressed to Mr. Haldenby.

51. INTRODUCTION TO COMPUTER SCIENCE

Mr. Haldenby

Each Semester. MWF 11 and laboratory arranged. Prerequisite: One semester of college mathematics or permission of the instructor.

The theory and practice of computer processing. Topics include machine language and assembly language programming, scientific and commercial compilers (Fortran IV and Cobol), systems analysis and design, utility software, supervisor systems, and teleprocessing. Scientific, commercial and linguistic applications are illustrated. Extensive practical use is made of the IBM System 360, and all students have an opportunity to operate the equipment. (May not be used to clear distribution or non-division requirements.)

Economics

CONCENTRATION REQUIREMENTS: A total of ten courses is required for concentration. Required courses include Economics 51, 57, 104, 105, 107, and other courses in economics to bring the total of upper division courses to eight. In meeting this requirement one related upper division course in another department may be substituted for a course in economics with permission of the adviser. Mathematics 123 may be substituted for Economics 57.

PREREQUISITES: Economics 51 and 52, or equivalent, are prerequisites for all advanced courses in economics, except that students may substitute Economics 104 for Economics 52 with permission of the department. A grade of C or better in prerequisite courses is required for concentration in the field.

RECOMMENDED PROGRAMS: Concentrators generally should complete Economics 104, 105 and 107 before electing other upper division courses in areas of special interest. Completion of at least one course in calculus is strongly recommended.

Students who plan to spend a semester abroad should take Economics 104, 105 and at least one course in a field of interest before going overseas.

Students who plan to attend a graduate school of business or enter a corporation training program should elect Economics 57 (or Mathematics 123), 71, 104, and 110.

Pre-legal students should elect Economics 71, 110, and 189. Some law schools also require one other course in accounting.

Economics-engineering students should take the Economics 104, 105, 107 sequence before electing courses numbered over 150.

Students who contemplate a career in teaching or research, whether in educational institutions, non-profit research organizations or private industry, should include courses in mathematics and a foreign language. Both are normally required for advanced degrees in economics.

THREE-YEAR M.A. PROGRAM: Proximity and cooperation between Pomona College and the Claremont Graduate School make it possible for students to plan, beginning with their Junior year, a three-year program enabling them to earn both the B.A. and M.A. degrees. Any student interested in pursuing such a program is invited to confer with the department.

AMERICAN ECONOMIC AND POLITICAL INSTITUTIONS: See Government.

51. ECONOMICS *Staff*
 First Semester: MWF 8, 9, 10, 11, 2:15; TThS 9. Group Lecture, Th or F, 1:15. Second Semester: MWF 8, 10, 11; TTh 1:15-2:30. Group Lecture, Th or F, 1:15.

An introduction to modern economic society with emphasis on the changing social values and institutions of the American economy, the monetary system, and the theory of income determination.

52. ECONOMICS *Staff*
 First Semester: MWF 9, 1:15.
 Second Semester: MWF 9, 10; TThS 9.
 Prerequisite: Economics 51.

A continuation of Economics 51, with emphasis on the theory of market organization, contemporary public policy issues, and economic growth and development; completes the introduction to the entire field of economics.

57. ECONOMIC STATISTICS *Mr. Goldstein*
 Second Semester. TTh 8:30-9:50; laboratory, T or W 1:15-3:05.
 Quantitative methods applied to economic and business problems; descriptive statistics, inference, correlation, index numbers, and the use of time series.

71. INTRODUCTORY ACCOUNTING *Mr. Royal*
 First Semester. TTh 8:30-9:50; laboratory, arranged.
 Introduction to the theory and practice of corporation and social accounting.

ADVANCED COURSES

Economics 51 and 52, or equivalent, are prerequisites for all advanced courses in economics, except that Economics 104 may be substituted for Economics 52.

104. PRICE THEORY *Mr. Palmer*
 Each Semester. TThS 10.

A study of markets, prices, resource use, income distribution and economic organization in a modern market economy.

105. NATIONAL INCOME THEORY *Mr. Kain*
 First Semester. MWF 10.

Conceptual and practical problems in measuring national product; a critical analysis of the classical and Keynesian theories of national income determination; introduction to dynamic macrotheory, growth economics and inflation theory.

107. MONEY AND MONETARY POLICY*Mr. Ness*

Second Semester. MWF 9.

A study of the United States monetary system and its institutions, including an analysis of Federal Reserve Bank policy on the level and composition of economic activity.

110. LAW AND ECONOMIC ORGANIZATION*Staff*

Second Semester. MWF 9. (Omitted in 1967-68; offered in 1968-69.)

A study of public regulatory practices and the legal framework of an industrial society; the effect of law on corporate organization and the market structure.

111. LABOR ECONOMICS*Mr. Kain*

Second Semester. MWF 11.

A brief history of organized labor is followed by an analysis of wage policies, labor productivity, collective bargaining, minimum wage legislation, labor monopoly, and current labor legislation.

**118. ECONOMIC HISTORY OF THE MODERN WORLD:
WESTERN EUROPE***Mr. Palmer*

(Omitted in 1967-68.)

Economic and historical analysis of European industrialization, emphasizing the roles of economic ideas, technology, population change, institutional and social adjustments, and government policy in the development process.

**119. ECONOMIC HISTORY OF THE MODERN WORLD:
UNITED STATES, RUSSIA, JAPAN***Mr. Palmer*

First Semester. TTh 1:15-2:30.

Economic and historical analysis of three major industrialized economies, emphasizing the roles of economic ideas, technology, population change, institutional and social adjustment, and government policy in the development process.

123. INTERNATIONAL ECONOMICS*Mr. Douglass and Mr. Pickersgill*

First Semester: MWF 8. Second Semester: MWF 2:15.

An introduction to the theory of international trade and finance and to its use in explaining contemporary international economic relations, such as barriers to trade, payments systems, foreign aid and investment, regional integration, and the economic factors in diplomacy.

150. MANAGEMENT AND LEGAL ACCOUNTING

Second Semester. MWF 9. Prerequisite: Economics 71. (Omitted in 1967-68.)

Analysis of the role of accounting as an instrument of managerial control and decision-making. Emphasis is placed upon the legal, tax, and financial aspects of the modern business entity.

153. ECONOMIC DEVELOPMENT*Mr. Pickersgill*

Second Semester. MWF 8.

A study of the processes and problems of promoting economic development in low income countries. Includes discussion of important policy issues such as national economic planning, population control, and international assistance programs.

156. URBAN AND REGIONAL ECONOMICS*Staff*

Second Semester. W 1:15-3:05. (Omitted in 1967-68.)

An analysis of the process and problems of regional economic growth in the United States, with particular attention to Southern California. Includes discussion of workable public policies in such fields as urban poverty, public finance, land use, transportation, and pollution.

180. DEVELOPMENT OF ECONOMIC IDEAS

Second Semester. MWF 10. (Omitted in 1967-68.)

An examination of the major innovations in economic theory from Adam Smith to the present which contribute to an understanding of the field of economics. Emphasis is on the evolution of systems of thought and their impact on modern economic doctrines.

189. GOVERNMENT EXPENDITURE AND TAX POLICY

Mr. Goldstein

First Semester. MWF 11.

An analysis of stabilization and allocation problems confronting the federal government, such as the criteria for government spending, the debt burden, inflation, and the effects of taxes on prices, output, profits, and growth.

191. ADVANCED MACROECONOMIC ANALYSIS

Mr. Kain

Second Semester. TTh 1:15-2:30. Prerequisites: Economics 57 and 105.

Selected topics in macroeconomic theory and stabilization policy. Current empirical as well as theoretical controversies will be studied in depth.

192. ADVANCED MICROECONOMIC ANALYSIS

Mr. Goldstein

Second Semester. MWF 10. Prerequisites: Economics 104 and a course in differential calculus. (Omitted in 1967-68.)

Microeconomic theory and welfare analysis applied to topical economic problems.

195. COMPARATIVE ECONOMIC SYSTEMS

Mr. Pickersgill

First Semester. MWF 9.

A description and analysis of theories and forms of economic organization and the determinants of economic systems, with major emphasis on the United States, France, the Soviet Union, and Eastern European countries.

198a,b. DIRECTED READING AND RESEARCH

Staff

Arranged. Open to qualified Seniors with the permission of instructor and chairman of the department.

Supervised advanced study in selected fields of economics.

199. SENIOR SEMINAR

Second Semester. T 1:15-3:05. (Omitted in 1967-68.)

Reading and discussion of leading books, new developments in economic theory, current problems, and public policies.

COURSES AVAILABLE IN OTHER CLAREMONT COLLEGES

Concentrators who have completed Economics 51 and 52 may elect economics courses at Claremont Men's College, Pitzer College, and Scripps College, with permission of their advisers.

Selected courses at the Claremont Graduate School are open to qualified Juniors and Seniors with the permission of the chairman of the department and the instructor of the graduate seminar. (See catalog of each college for course descriptions and prerequisites.)

Education

For 1967-68 the advisers on preparation for teaching are Mr. Faust and Miss Brown. They will assist students in planning for careers in teaching, and they may be consulted for information on certification requirements in California and other states. In addition, appointments for conferences with Claremont Graduate School Faculty may be arranged by calling the Internship Secretary, Ext. 2211: Mr. Henry H. Crane.

157G. BASIC CONCEPTS IN AMERICAN EDUCATION

Mr. Hallman

First Semester. W 4-6.

This course covers basic educational concepts from the Colonial period to the present time with emphasis on contemporary philosophies of education.

170G. INTRODUCTION TO PUBLIC SCHOOL TEACHING

Mr. Fielder and Staff

Second Semester. F 1-4 and arranged.

This course is planned for Senior students considering a teaching career in elementary or secondary schools. Emphasis is placed upon developing an understanding of the role of public education in contemporary society. Attention is given to the curriculum of the elementary and secondary school, issues and problems of instruction, and an evaluation of current trends and practices in public education. An extensive school and classroom observation program is provided as part of the course. It may comprise the first part of the Claremont Graduate School Teaching Internship Programs.

English

English 1 or its equivalent is the only prerequisite for literature courses. English 64 is prerequisite for upper-division courses in writing. Students intending to concentrate in English should take History 1a,b. Prospective literature majors must take English 51 and 52; prospective writing majors must take English 51 and 64.

A reading knowledge of at least one language and literature other than English, as well as high school preparation in Latin, is strongly recommended. In most graduate schools, candidates for the degree of Doctor of Philosophy are required to have a reading knowledge of *two* foreign languages.

CONCENTRATION WITH EMPHASIS ON LITERATURE

Five upper division courses, distributed as below, and English 190 (Senior Seminar) or 197 (Senior Thesis).

Group I: English 131, 132, 133, 161 (one course)

Group II: English 134, 135, 160 (one course)

Group III: English 125, 126 (one course)

Group IV: English 153, 155a or 155b, 156 (two courses)

CONCENTRATION WITH EMPHASIS ON WRITING

Five upper division courses as above, English 181, and English 183 — either two half-courses or one full course.

CONCENTRATION IN THEATER ARTS

This program, administered by the Department of English, is described, with course listings, under Theater Arts.

JOINT CONCENTRATIONS

Consult the chairman of the department for information about joint concentrations in English and Philosophy, and English and History. For the program in American Studies see the description under History.

Students are required to read, from a list of major works, books not covered in the courses which they have elected. This supplementary reading will be included in the comprehensive examination.

1. THE WESTERN LITERARY TRADITION

Mr. Pinney and Staff

First Semester (seven sections): MWF 9, 10 (2 sections), 11, 2:15; TThS 9, 10.

Second Semester (seven sections): MWF 9, 10 (2 sections), 11 (2 sections); TTh 1:15-2:30; TThS 9.

Reading: great works of western literature from classical times to the present. Writing: critical papers on literary problems. Students who need further training in writing are advised to enroll for English 2.

2. EXPOSITORY WRITING

Mr. Mulhauser and Mr. Young

Each Semester: TTh 9 and individual conferences.

Practice in various types of exposition, with emphasis on organization, coherence, clarity, and accuracy of diction.

50. GREAT AUTHORS

Mrs. Jordan

Second Semester. MWF 10. For students who do not intend to concentrate in English.

A critical study of great writers representing major periods and forms of literature in English.

51. MAJOR ENGLISH POETS

Mr. Bracher and Mr. Holmes

Each Semester. MWF 10. For students who intend to concentrate in English.

Poets studied as representative of particular periods of English literary history: Chaucer, Milton, Pope, Wordsworth, Arnold, Eliot.

52. LITERARY ANALYSIS

Mr. George, Mrs. Jordan, Mr. Mulhauser, Mr. Pinney

Second Semester. MW 1:15-2:30, 2:15-3:30; TTh 1:15-2:30 (2 sections).

For Freshmen and Sophomores who intend to concentrate in English. Practice in the close reading and analysis of major literary forms.

58. INTRODUCTION TO PROSE FICTION

Mr. Lowery and Mr. O'Brien

First Semester: MWF 9.

Second Semester: MWF 10.

A survey of important works in prose fiction with emphasis upon selected novels — English, American, and continental — from the eighteenth century to the present.

64. NARRATIVE AND DESCRIPTIVE WRITING

Mr. O'Brien, Mr. Young, and Mr. Lowery

First Semester: TThS 9 (two sections).

Second Semester: TThS 9.

Enrollment limited to 20 students in each section. This course is pre-requisite for English 181 and 183.

The basic creative problems of narration and description.

ADVANCED COURSES

125. AMERICAN LITERATURE I

Mrs. Jordan

First Semester. TThS 10.

Selected major figures from the beginnings, with emphasis on the nineteenth century through Poe and Hawthorne.

126. AMERICAN LITERATURE II

Mr. Holmes

Second Semester. MWF 9.

The latter half of the nineteenth century: Melville, Whitman, Emily Dickinson, Twain, James, and Crane or Dreiser.

127. AMERICAN LITERATURE III

Mr. Holmes

First Semester. MWF 11.

The first half of the twentieth century: Stein, Pound, Eliot, Frost, O'Neill, Anderson, Hemingway, Fitzgerald, Dos Passos, and Faulkner.

131. TUDOR POETRY AND PROSE

Mr. Lowery

First Semester. MWF 10.

The major literary themes and forms of the English Renaissance as exemplified in the works of the great writers of the Tudor period.

132. SEVENTEENTH CENTURY POETRY AND PROSE

Mrs. Jordan

Second Semester. MWF 9. (Omitted in 1967-68.)

A study of the new intellectual milieu and its reflection in the poetry and prose from Bacon and Donne to Boyle and Dryden.

133. EIGHTEENTH CENTURY POETRY AND PROSE

Mr. Bracher

First Semester. MWF 9.

Selected authors from Swift to Burns, studied in relation to the social and intellectual history of the period.

134. THE ROMANTIC POETS

Mr. Mulhauser

First Semester. M 2:15-4:05. (Omitted in 1967-68.)

The major poets of the Romantic period.

135. VICTORIAN LITERATURE

Mr. Mulhauser

Second Semester. M 2:15-4:05.

The major poets and prose-writers of the Victorian period.

137. ROMANTICISM

Mr. Mulhauser and Mr. Jones

First Semester. Two sections: M 2:15-4:05; W 2:15-4:05.

Enrollment limited to 18 students in each section.

A study of Romanticism, as manifested in philosophy and the arts.

153. CHAUCER Mr. Barnes
 Second Semester. MWF 10. (Omitted in 1967-68. See Scripps I-143.)
 A close study of Chaucer's poetry in its medieval (literary, linguistic, social, and philosophical) setting.
- 155a,b. SHAKESPEARE Mr. Young
 MWF 11.
 A study of the principal plays with emphasis on Shakespeare's dramaturgy and his treatment of dramatic narrative and plot structure. First semester, mainly comedies and histories; second semester, mainly tragedies.
156. MILTON Mr. Lowery
 Second Semester. MWF 10.
 A study of the poems and selected prose works, emphasizing the literary and intellectual background of Milton's work.
158. JOYCE Mr. O'Brien and Mr. Barnes
 Second Semester. MWF 9. (Omitted in 1967-68.)
 Close study of *Dubliners*, *A Portrait of the Artist*, *Ulysses*, and *Finnegans Wake*.
160. THE ENGLISH NOVEL Mr. Pinney
 First Semester. TTh 1:15-2:30.
 A critical and historical study of the themes and methods of the novel, based mainly on the novelists of the nineteenth century from Scott through James and Conrad.
161. MAJOR BRITISH DRAMATISTS Mr. George
 First Semester. TTh 1:15-2:30.
 Shakespeare's contemporaries (Marlowe, Jonson, Webster, Ford) and the chief playwrights of the Restoration and eighteenth century (Dryden, Congreve, Goldsmith, and Sheridan).
162. CONTEMPORARY FICTION Mr. Frazer
 Second Semester. MWF 10. (Omitted in 1967-68.)
 A study of British fiction, 1920-40 (including Forster, Lawrence and Woolf, but not Joyce), and American fiction since World War II (Bellow, Malamud, Roth, and others).
163. CONTEMPORARY POETS
 First Semester. MWF 10. (Omitted in 1967-68.)
 Poets of the twentieth century, Gerard Manley Hopkins to the present, studied in the light of the great poetic tradition.
164. CONTEMPORARY DRAMATISTS Mr. George
 Second Semester. TTh 1:15-2:30.
 The revolt against existing dramatic forms and against the social and moral standards of the times in the drama from Ibsen to Ionesco.
165. BIBLICAL ARCHETYPES IN MODERN LITERATURE Mrs. Jordan
 First Semester. Arranged.
 A study of archetypal Biblical situations and themes in English and foreign literature since 1850.

167. FREUD, MARX, AND CONTEMPORARY THOUGHT

Mr. O'Brien and Mr. Erickson

Second Semester. MWF 9.

The influence of Freud and Marx on contemporary literature and philosophy. (1967-1968: special emphasis on Freud.)

171. THE ENGLISH LANGUAGE

Mr. Bracher

Second Semester. MWF 9.

A survey of the principal areas of linguistic study, with illustrations drawn primarily from the history of English. Recommended for prospective teachers of English and other languages.

172. LITERARY CRITICISM

Mr. Pinney

First Semester. W 2:15-4:05. (Omitted in 1967-68.)

Readings in the major literary critics from Plato to the twentieth century. The course is designed to illustrate the chief forms, topics, and problems of literary theory.

181. THE SHORT STORY

Mr. Frazer

First Semester. Arranged. Prerequisite: English 64 and permission of the instructor. Enrollment limited to 20 students.

Study of the short story form and practice in the writing of short fiction.

183. ADVANCED CREATIVE WRITING

Mr. Frazer

Second Semester. Arranged. Prerequisites: English 64, and English 181 or permission of the instructor. Course or half-course. May be repeated for credit. Enrollment limited to 20 students.

Supervised practice in the forms of creative writing, selected according to the needs and abilities of the students.

190. SENIOR SEMINARS

Mr. George or Mr. O'Brien

First Semester. Permission of the instructor required. Enrollment limited to 12 Seniors.

Topics and instructors are changed each year. Topics for the year:

Great English Translations and Adaptations. F 1:15-3:45.

The Irish Literary Revival. M 1:15-3:45.

*Mr. George
Mr. O'Brien*

194. BACKGROUNDS OF ENGLISH LITERATURE

Staff

Offered only to concentrators in English accepted for the Pomona Semester Abroad. Consult department chairman. Half-course.

195. DIRECTED READING

Staff

Arranged. Permission of department chairman required. Individual programs of study for specially qualified students. Course or half-course.

197. SENIOR THESIS

Mr. Pinney

First Semester. Arranged. Individually planned reading programs directed toward the writing of a Senior thesis.

COURSES AVAILABLE IN OTHER CLAREMONT COLLEGES

This list of courses consists mainly of those which do not duplicate offerings at Pomona College. For additional courses open to inter-collegiate registration, consult

the mimeographed list used for pre-registration or the catalogs of the other Claremont Colleges. If a course duplicates one offered at Pomona College, credit will be allowed either for the Pomona course or the course in the other college, but not for both.

CLAREMONT MEN'S COLLEGE

- | | |
|---|--------------------|
| 137. ENGLISH LITERARY SATIRE: 1600-1750
First Semester. TThS 10. | <i>Mr. Elsbree</i> |
| 135. MEDIEVAL LITERATURE. Second Semester. | <i>Mr. Poynter</i> |
| 156. AMERICAN NOVEL SINCE WORLD WAR II. Second Semester. | <i>Mr. Elsbree</i> |
| 157. MODERN AMERICAN POETS. Second Semester. | <i>Mr. Fossum</i> |

HARVEY MUDD COLLEGE

- | | |
|---|----------------------|
| H112. EXPERIMENT IN MODERN LITERATURE
First Semester. F 1:15-3:05. | <i>Mr. Wickes</i> |
| H121. INTRODUCTION TO BIOGRAPHY. First Semester. Arranged. | <i>Mr. Davenport</i> |

PITZER COLLEGE

- | | |
|---|----------------------------------|
| 125. SIX ROMANTIC POETS. First Semester. TThS 10. | <i>Miss Moore</i> |
| 143. GREAT IRISHMEN: POETS, NOVELISTS, ESSAYISTS
First Semester. T 2:45-4:00. Conferences: Th 2:45-4:00. | <i>Mr. Rodgers</i> |
| Linguistics 103. AN INTRODUCTION TO GENERAL LINGUISTICS
First Semester. TTh 1:15-2:30. | <i>Mr. Macaulay</i> |
| Linguistics 75. LANGUAGE AND CULTURE
Second Semester. | <i>Mr. Macaulay and Mr. Park</i> |
| 144. GREAT IRISHMEN: DRAMA. Second Semester. | <i>Mr. Rodgers</i> |

SCRIPPS COLLEGE

- | | |
|---|-----------------------|
| I-113a,b. CONTEMPORARY FICTION. First Semester. MW 4:15. | <i>Miss Brown</i> |
| I-143. CHAUCER. First Semester. TThS 10. | <i>Mrs. Downing</i> |
| I-136. SEVENTEENTH CENTURY ENGLISH LITERATURE
Second Semester. | <i>Mr. Bongiorno</i> |
| 180G. THE AMERICAN JOURNEY. Second Semester. | <i>Mr. Spengemann</i> |

Geology

Outstanding equipment includes Leitz and Zeiss research petrographic microscopes, 13 of which are fitted with universal stages; ore, phase contrast, stereoscopic, and stereopolarizing microscopes are available also. Facilities are provided for X-ray diffraction, X-ray fluorescence and emission spectography, electron microprobe analysis, and differential thermal analysis. The department has a Worden Master gravity meter, an Askania torsion magnetometer, and a Clary DE-60 digital computer. The IBM System/360 in the Seaver Science Center is used in several courses. Surveying equipment includes Kern field instruments and a Zeiss stereotape. The geology library is excellent. Students are encouraged to use these facilities for their own projects.

CONCENTRATION REQUIREMENTS: Mathematics 3, or 30, 31, Chemistry 1, or 51, Physics 2, or 51, and Geology 103, 106, 153a, and 157 or 159.

PRE-PROFESSIONAL PROGRAM: In addition to the formal requirements given above, a student who expects to go on to graduate work in geology should plan to do additional studies in the geology library and laboratories, and in the field. In so far as his program permits, he should endeavor to include Chemistry 158, Mathematics 32, 105, or a statistics course, and acquire a reading knowledge of French, German, or Russian. Summer field course is recommended.

1. INTRODUCTION TO GEOLOGY

Staff

Each Semester. MWF 10. No prerequisites. Fee \$6.00. Each week students are expected to work two to three hours in the laboratory, at times to suit their convenience.

53. HISTORICAL GEOLOGY

Mr. Zenger

Second Semester. Lectures, MWF 10; laboratory, W 1:15-4:05. Prerequisite: Geology 1. Fee \$6.00.

103a,b. CRYSTALLOGRAPHY AND MINERALOGY

Mr. McIntyre and Mr. Baird

Lectures, WF 11; laboratory, TF 1:15-4:05. Fee \$6.00 each semester.

106a,b. STRUCTURAL AND FIELD GEOLOGY

Mr. Baird and Mr. McIntyre

Lectures, TTh 10; laboratory, Th 1:15-4:05. Saturdays and spring vacation must be kept free for field work. Prerequisite: Geology 53 completed or in progress. Fee \$6.00 each semester.

153a,b. PETROLOGY

Mr. Baird and Mr. Zenger

Lectures, TTh 9; laboratory, M 2:15-5:05; W 1:15-4:05. Prerequisite: Geology 103 and, for 153b, Geology 159. Fee \$6.00 first semester.

157. INVERTEBRATE PALEONTOLOGY

Mr. Zenger

First Semester. Lectures, MW 9; laboratory, T 1:15-4:05 and arranged. Prerequisite: Geology 1 or Zoology 51 or permission of the instructor. Fee \$6.00.

159. STRATIGRAPHY AND SEDIMENTATION

Mr. Zenger

Second Semester. Lectures, MW 9; laboratory, T 1:15-4:05 and arranged. Prerequisite: Geology 53, 103, or permission of instructor. Fee \$6.00.

181. DESIGN AND ANALYSIS OF GEOLOGICAL EXPERIMENTS

Mr. McIntyre

Second Semester. Lectures MWF 11 and arranged. Prerequisite: Permission of instructor.

Includes the programming and use of computers for solving geological problems.

199. SELECTED TOPICS IN GEOLOGY

Staff

Arranged. May be repeated for credit. Prerequisite: departmental approval. Fee \$6.00.

Special work in certain advanced subjects not treated in other courses of the department is available to students of proven ability.

Government

One of three basic courses — Government 61, 62, or 63 — is normally prerequisite for advanced study, but the department invites students who have had considerable work elsewhere in the social sciences to confer with staff members regarding enrollment in any course desired.

PROGRAM OF CONCENTRATION: Students planning to concentrate in Government should normally take Government 61 and either 62 or 63 during their Freshman or Sophomore years and, in addition, complete History 1a, b, Economics 51, and an introductory course in Sociology or Anthropology. Beyond these two introductory courses in Government completion of the major calls for a minimum of six upper division courses, including in every case Government 197, which involves the writing of an acceptable Senior thesis. By way of supplementary courses the department recommends at least an introduction to accounting and statistics and, especially for those who might undertake graduate study or seek employment abroad, a reading and speaking knowledge of at least one modern foreign language.

Pre-legal students majoring in Government should strive for breadth and balance in their programs including, however, in each case the course in Constitutional Law and at least a semester's work in accounting.

HONORS STUDY: Students interested in undertaking a program of honors study under the general plan approved by the faculty are invited to formulate a draft proposal and discuss it with the staff of the department.

AMERICAN ECONOMIC AND POLITICAL INSTITUTIONS

The Departments of Government and Economics cooperate in offering introductory courses, Government 61 and Economics 51, designed to give the student an understanding of America's political and economic institutions. Although each course meets one of the distribution requirements for graduation, the combination of two courses is recommended for a better comprehension of basic American institutions. For descriptions of each course, see the departmental offerings. Government 61 satisfies the State requirement in American institutions.

61. POLICY-MAKING IN AMERICAN GOVERNMENT

Staff

First Semester: MWF 8, 9. Second Semester: MWF 8.

Examination of the process of policy-making in Washington based on analysis of Presidential leadership, Congressional procedure, major court decisions, the role of interest groups and mass media, and the civic culture of the American people.

62. COMPARATIVE WESTERN POLITICS

Staff

Each Semester. MWF 10.

Comparative analysis of political forces and governmental institutions in major countries of Europe.

63. COMPARATIVE POLITICAL IDEOLOGIES

Mr. McDonald

Second Semester. TThS 9.

A study of four types of twentieth century political thinking: liberalism, fascism, socialism, anarchism.

101. INTRODUCTION TO INTERNATIONAL RELATIONS

Mr. Armacost

Second Semester. MWF 9.

Geographical and historical determinants of the contemporary state system and the current struggle for power and security. Examination of attempts to achieve world order through understanding, organization, and law.

124G. COMPARATIVE POLITICS: THE DEVELOPING NATIONS *Mr. Goodall*

First Semester. MWF 11.

Multi-disciplinary approaches to political development and social change.

126G. THE COMMUNIST WORLD I

Mr. Neal

First Semester. MWF 9.

(See also companion course 127G at Claremont Men's College, Second Semester.)

The domestic and foreign policies of the Soviet Union and of other Communist countries in Eastern Europe since World War II.

129. COMPARATIVE ASIAN POLITICS

Mr. Vieg

Second Semester. MWF 9.

Analysis of the political systems of the nations of contemporary Asia from the standpoint of the struggle between tradition and modernity, with emphasis on Japan, China, India, Pakistan and Indonesia.

131. PARTIES AND PRESSURE GROUPS

Mr. Vieg

First Semester. MWF 11.

The role of parties, interest groups, propagandists and voters in the American electoral and legislative processes.

132. PUBLIC OPINION AND VOTING BEHAVIOR

Staff

Second Semester. MWF 9. (Omitted in 1967-68.)

Assessment of the role of public opinion and propaganda in modern government, together with quantitative analysis of the voting behavior of citizens and legislators.

134. THE POLITICS OF URBANIZATION

Staff

First Semester. MWF 2:15.

Exploration of problems of state and local government, giving special consideration to metropolitan communities and to changing relations within American federalism.

136. POLITICAL BIOGRAPHY

Staff

First Semester. TTh 1:15-2:30.

Analysis of the nature and problems of leadership as reflected in the lives and letters of selected statesmen, American and foreign, Oriental as well as Occidental.

140G. PUBLIC ADMINISTRATION AND POLICY

Mr. Blair

Second Semester. MWF 11.

A study of the role of administrative officials in the making of public policies and the management of the public business of the national, state and local levels.

152. INTERNATIONAL LAW AND ORGANIZATION

Staff

First Semester. MWF 9. (Omitted in 1967-68.)

Essential principles of the law of war, peace and neutrality; theory and practice of the United Nations and selected regional and functional organizations; possibilities of world peace through law.

153. NATIONAL SECURITY AND ARMS CONTROL

Mr. Stone

First Semester. MWF 2:15.

Analysis of selected contemporary problems in national security and arms control policy, e.g., major powers arms competition, violence in and between developing countries, arms control in crises, the economics of defense.

154. COMPARATIVE FOREIGN RELATIONS

Mr. Armacost

First Semester. MWF 1:15.

Comparative analysis of the foreign policies of the Great Powers: USA, USSR, UK, France, and China. Particular emphasis will be placed on domestic sources of foreign policy, e.g., structure of government, political ideologies and beliefs, character of political leadership, and socio-economic factors.

155. AMERICAN FOREIGN RELATIONS

Mr. Armacost

First Semester. MWF 11.

A survey of current procedures for making and implementing American foreign policy. An evaluation of their effectiveness. An analysis of past, present, and alternative policy strategies.

156. THE POLITICS OF MODERNIZATION

Mr. Tugwell

Second Semester. MWF 8.

A comparative study of cultural, economic, political, and ideological forces important in the development of new states. Emphasis on problems of nationalism, planning, group rivalry, and recruitment of political leadership in selected non-Western areas.

157. INTERNATIONAL RELATIONS OF INTERNAL WARS

Mr. Armacost

Second Semester. MWF 10.

A study of the impact of civil wars and domestic mass movements on the international system; comparative study of insurrections and methods of coping with them and of the role of Great Powers in the suppression of conflict. Primary emphasis on the postwar period.

158. LATIN AMERICAN POLITICS

Mr. Tugwell

Second Semester. TTh 10 and arranged.

Comparative analysis of the political problems and governmental systems of selected Latin American countries, with special emphasis in each case on the nature of socio-economic forces at work.

161. CONSTITUTIONAL LAW

Mr. Flynn

First Semester. MWF 10.

Nature and extent of constitutional power; separation of powers doctrine; federal-state relations; power of Congress and the Presidency; political and civil rights.

164. THE JUDICIAL PROCESS

Mr. Flynn

Second Semester. MWF 10.

An analysis of the roles of judges, attorneys, and law enforcement officers in the administration of justice, including some study of judicial behavior. Examination of the working relations between the judicial systems of the nation and the several states.

171. POLITICAL THEORY

Mr. McDonald

First Semester. TTh 2:40-3:55.

The major political theories and theorists of the Western heritage and their relevance to political values and institutions, primarily in Europe and America.

191, 192. READINGS AND RESEARCH IN GOVERNMENT

Staff

Each Semester. Arranged. Open only to students who have clearly demonstrated ability to work under self-direction. Course or half-course.

Tutorial programs of independent (including honors) study.

193, 194. READINGS AND RESEARCH IN INTERNATIONAL RELATIONS

Staff

Each Semester. Arranged. Open only to students who have clearly demonstrated ability to work under self-direction. Course or half-course.

Tutorial programs of independent (including honors) study.

195. SENIOR SEMINAR IN INTERNATIONAL RELATIONS

Mr. Armacost

Second Semester. W 2:15-4:05 and arranged. Open to non-concentrators by permission of instructor.

Integration of historical, economic and political aspects of the field, with emphasis upon theory.

197. SENIOR SEMINAR IN GOVERNMENT

Mr. Vieg

Second Semester. M 2:15-4:05. Open to non-concentrators by permission of instructor.

Analysis of major trends and emerging problems in politics, law and administration through review of current books, together with writing and defense of Senior Theses.

COURSES AVAILABLE IN OTHER CLAREMONT COLLEGES

Many opportunities for appropriate supplementary work in government (and in the other social sciences) are afforded by courses available in Claremont Men's College, Harvey Mudd College, Pitzer College, Scripps College, and the Claremont Graduate School. Pomona students are urged to consider these courses and consult with their advisers about electing them.

WASHINGTON SEMESTER PROGRAM

A plan for a semester's study in Washington, D.C., is described in the section on Special Programs. The program, conducted by American University, provides an opportunity for first-hand study of governmental operations. For further information see pages 99-100 and consult the chairman of the Department of Government.

History

Courses in history are designed to interest students from all areas of study. Only a few are intended specifically for concentrators in history. History 1, or its equivalent, is the usual preparation for other courses in history.

CONCENTRATION: The courses in a program of concentration in history should follow a coherent pattern and be planned carefully in consultation with a member of the History Department to provide sound preparation for the comprehensive examinations of the Senior year. The first examination paper will concern the method and philosophy of history and some comparative interpretation of several historical areas. The other two papers will deal with areas chosen by each student from the following: Ancient History; Europe, 312-1648; Europe since 1648; the United States; Latin America; the Far East. A fuller explanation of these examinations and a reading list may be obtained from members of the Department. A concentrator's program must include History 140 and five additional upper division courses in history or a closely related subject. Ordinarily it will include History 1a,b (or equivalent), History 99, and work in American or English history. Since the areas of examination are broad, equal familiarity with all aspects is not expected. The department believes that independent reading is an important supplement to formal courses in preparation for the comprehensive examinations. Each concentrator will also write a "Major Essay" of satisfactory quality. Details regarding the character of the essay may be obtained from members of the department. The essay must be completed before a student may take his comprehensive examinations.

Students considering graduate study should remember that a reading knowledge of one foreign language is normally required for the M.A. and of two foreign languages for the Ph.D. degree.

HONORS PROGRAM: The department urges qualified students to undertake programs of Honors Study. These involve independent study under the direction of a member of the department in place of part of the usual program of formal courses.

JOINT CONCENTRATIONS: Consult the chairman of the department for information about joint concentrations.

AMERICAN STUDIES: The American Studies Program is an interdisciplinary plan of study in such fields as art, history, literature, music, philosophy, and religion as they impinge on the civilization of the United States. It is directed by members of the departments of History and English. Students will take ten appropriate upper division courses of which at least seven are normally in the fields of History and English. Among these courses will be the intercollegiate seminar, History 180, which must be taken in both Junior and Senior years.

1a,b. WESTERN CIVILIZATION: ITS HISTORY AND WORLD CONTEXT *Staff*

Lectures for entire class, TTh 10, and sections of two hours each arranged.

A survey of the political, religious, intellectual, and economic development of Europe, the expansion of European influence over the world, and the consequent interaction of civilization. Special attention will be given to Western contacts with Asia. First Semester: from Ancient Greece to the end of the Middle Ages. Second Semester: from the Renaissance to the present.

55a,b. THE UNITED STATES

Mr. Kemble and Mr. Small

MWF 10.

The political, economic, and cultural development of the United States. First Semester: 1607-1865; Second Semester: since 1865.

60. THE CULTURAL LEGACIES OF EAST ASIA

Mr. Ho

Second Semester. MWF 2:15.

A survey of the humanistic achievements of China and India, and their diffusion in other lands in East Asia.

99. SOPHOMORE SEMINAR

Staff

Second Semester. T 2:40-3:55 and arranged.

Intended for students planning to concentrate in History, this course is normally elected by Sophomores. A variety of topics and differing kinds of historical literature will be studied.

101. GREECE

Mr. Carroll

Second Semester. MWF 9.

(Offered in alternate years; offered in 1967-68.)

A survey from the prehistoric age to the Roman conquest with special emphasis on the city-state and democracy.

102. ROME

Mr. Carroll

Second Semester. MWF 9.

(Offered in alternate years; not offered in 1967-68.)

The Republic and the Empire from the founding of the city to the sixth Century A.D.

103. THE MIDDLE AGES

Mr. Learnihan

First Semester. TThS 9.

(Offered in alternate years; offered in 1967-68.)

A survey of political, intellectual, and religious developments during the transition from Mediterranean to European civilization, from the sixth to the fourteenth century.

104. MEDIEVAL INSTITUTIONS

Mr. Learnihan

First Semester. TThS 9.

(Offered in alternate years; not offered in 1967-68.)

A study in some depth of selected political, intellectual, and religious institutions of the Middle Ages.

106. TUDOR AND STUART ENGLAND

Mr. Gleason

First Semester. MWF 8.

The major political, religious, economic, and intellectual achievements of Tudor and Stuart England. The course is designed for concentrators in English as well as for those in History.

107. GREAT BRITAIN AND THE EMPIRE SINCE 1760

Mr. Gleason

Second Semester. MWF 8.

The development of British society in the two centuries since the accession of George III. The period since 1945 is given special attention. The course is designed for concentrators in English as well as for those in History.

108. THE RENAISSANCE AND REFORMATION

(Omitted in 1967-68.)

A study of the transition from medieval to modern Europe; from the fourteenth to the seventeenth century.

110. REVOLUTIONARY EUROPE

Mr. Poland

Second Semester. TThS 8.

(Offered in alternate years; offered in 1967-68.)

A survey of political, economic, and intellectual developments in Europe between 1700 and 1870, emphasizing the decline of the old regime, the revolutionary upheavals between 1789 and 1848, and the nineteenth century consolidation of nation states.

113a,b. EUROPE SINCE 1848

Mr. Gallanar and Mr. Poland

MWF 10.

A study of political, economic, social, and intellectual developments with reference both to their intrinsic significance and to an understanding of contemporary Europe.

114. RUSSIA

Mr. Poland

First Semester. TThS 8.

A study of the growth of Russia, emphasizing the political, economic, social, and intellectual development from Peter the Great to the outbreak of the Revolution, the course of the Revolution, and the development of Soviet society since 1921.

116. INTELLECTUAL HISTORY OF ANCIENT AND MEDIEVAL EUROPE

Second Semester. TThS 9.

Mr. Learnihan

(Offered in alternate years; not offered in 1967-68.)

A study of the formation of the ideas and ideals significant in politics, religion, and literature from classical times to the end of the Middle Ages.

117. INTELLECTUAL HISTORY OF MODERN EUROPE

Mr. Learnihan

Second Semester. TThS 9.

(Offered in alternate years; offered in 1967-68.)

A study of the formation of the ideas and ideals significant in politics, religion, and science from Machiavelli to Marx.

118. ECONOMIC HISTORY OF THE MODERN WORLD:
WESTERN EUROPE

Mr. Palmer

Second Semester. TTh 1:15-2:30.

(Offered in alternate years; not offered in 1967-68.)

See detailed description under Economics 118.

119. ECONOMIC HISTORY OF THE MODERN WORLD:
UNITED STATES, RUSSIA, JAPAN

Mr. Palmer

First Semester. TTh 1:15-2:30.

(Offered in alternate years; offered in 1967-68.)

See detailed description under Economics 119.

124. AMERICAN INTELLECTUAL HISTORY

Mr. Small

First Semester. Arranged.

The chief developments in American thought in the nineteenth and twentieth centuries will be examined with particular reference to a number of major thinkers.

125. AMERICAN SOCIAL HISTORY SINCE 1865 *Mr. Harris*
Second Semester. MWF 9.

A study of the impact upon American society of problems and developments in education, immigration, race, religion, technology, and war.

126. CALIFORNIA *Mr. Kemble*
Second Semester. MWF 2:15.
(Offered in alternate years; offered in 1967-68.)

The economic, cultural, and political development of the region from its discovery to the present.

128. AMERICAN FOREIGN RELATIONS IN THE TWENTIETH CENTURY *Mr. Campbell*
Second Semester. T 1:15-3:45.

The history of the diplomatic relations of the United States since the Spanish-American War.

130. MODERN MARITIME AND NAVAL HISTORY *Mr. Kemble*
Second Semester. MWF 2:15.
(Offered in alternate years; not offered in 1967-68.)

A study of the development of sea power and oceanic commerce from the fifteenth century to the present.

132. SOUTHERN AFRICA *Mr. Gleason*
Second Semester. MWF 9.

The development of the broad area in which lie the Republic of South Africa and the new states which have emerged from British rule to the north since the arrival of the Dutch and the Bantus in the 17th Century, with special relation to contemporary problems.

- 135a,b. LATIN AMERICA *Mr. Levy*
TThS 9.

A survey of economic, political, social, and cultural problems and institutions from the Hispanic antecedents to Castro. First semester: to independence; second semester: to the present.

138. PROBLEMS IN LATIN AMERICAN HISTORY *Mr. Levy*
Second Semester. T 1:15-3:45. (Omitted in 1967-68.)

Discussion and investigation of selected topics and limited areas. Some knowledge of Spanish or of Latin American history will be assumed and use will be made of Spanish language sources. May be repeated for credit with the permission of the instructor.

140. THE STUDY OF HISTORY *Staff*
Each Semester. TTh 2:40-3:55.

An introduction to the methods and philosophies of history through a consideration both of the problems of historical study and of major historians of the past.

142. THE ANCIENT NEAR EAST *Mr. Whedbee*
Second Semester. MWF 8.

A survey of the major cultural and political developments in the ancient civilizations of Egypt, Mesopotamia, and Syria-Palestine from the Neolithic Period to the conquest by Alexander the Great.

144a,b. CHINA

Mr. Ho

TTh 1:15-2:30.

A general survey of China's cultural history. Problems of present-day China in the light of her ancient cultural heritage.

148. SOUTHEAST ASIA

Mr. H. B. Smith

First Semester. MWF 9.

A survey of the historical development and cultural impact of the peoples of Southeast Asia from earliest times to the present.

170. THE FRENCH REVOLUTION

Mr. Poland

First Semester. T 7:30-10 p.m. Prerequisite: permission of the instructor. Limited to 15 students.

A seminar studying the origins, development, and impact on eighteenth century Europe of the revolutionary movement in France. A reading knowledge of French is desirable, but not mandatory.

178. IMPERIALISM VS. NATIONALISM IN SOUTHEAST ASIA

Second Semester. TTh 9 and arranged.

Mr. H. B. Smith

A seminar dealing with selected problems in the nineteenth and twentieth century history of the region.

180G. AMERICAN STUDIES

Mr. Spengemann

Second Semester. Arranged.

Designed as an intercollegiate seminar for the study of related problems in literature, the arts, philosophy, religion, and the social studies in the United States.

190. SENIOR SEMINAR

Mr. Kemble

First Semester. Arranged.

Seminars may be offered from year to year in several fields of history. The topic for 1967-68: American history.

198. INDEPENDENT STUDY

Staff

Each Semester. Arranged. Course or half-course. May be repeated. Open to qualified students for study during the term or the summer. Permission of the member of the department with whom the work is to be done must be obtained prior to registration.

Individual or group programs of reading or research, with papers and examinations as the programs may require.

COURSES AVAILABLE IN OTHER CLAREMONT COLLEGES

This list of courses consists mainly of those which do not duplicate offerings at Pomona College. For additional courses open to intercollegiate registration, consult the mimeographed list used for pre-registration or the catalogs of the other Claremont Colleges. If a course duplicates one offered at Pomona College, credit will be allowed either for the Pomona course or the course in the other college, but not for both.

CLAREMONT MEN'S COLLEGE

117. HISTORY OF INDOCHINA-VIETNAM

Mr. Israel

Second Semester. WF 1:00-2:15.

120. EUROPEAN MILITARY HISTORY. First Semester. TThS 9.

Mrs. Rodman

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| 122. | UNITED STATES, 1815-1865. First Semester. MWF 11. | <i>Mr. Niven</i> |
| 123. | RUSSIAN INTELLECTUAL HISTORY. First Semester. TThS 10. | <i>Mr. Rogers</i> |
| 124. | RUSSIA AND CHINA. Second Semester. TThS 10. | <i>Mr. Rogers</i> |
| 127. | EUROPEAN INTELLECTUAL HISTORY, 1815-1870
First Semester. TThS 9. | <i>Mr. Rogers</i> |
| 166. | CHINESE POLITICAL THOUGHT FROM CONFUCIUS TO MAO
First Semester. WF 1:00-2:15. | <i>Mr. Israel</i> |
| 175. | MODERN JAPAN. Second Semester. MW 10 and arranged. | <i>Mr. Beckman</i> |
| 176, 177. | SOCIAL AND INTELLECTUAL HISTORY OF LATIN AMERICA
WF 1. | <i>Mr. Koldewyn</i> |
| 184. | UNITED STATES SINCE 1933. First Semester. MWF 8. | <i>Mr. Lofgren</i> |

HARVEY MUDD COLLEGE

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| 105. | HISTORY OF SCIENCE TO 1700. First Semester. M 1:15-3:05. | <i>Mr. Rae</i> |
| 106. | HISTORY OF SCIENCE SINCE 1700. Second Semester. M 1:15-3:05. | <i>Mr. Rae</i> |

PITZER COLLEGE

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| 120. | RENAISSANCE AND REFORMATION EUROPE
First Semester. MW 1:15-2:30. | <i>Mrs. Shapiro</i> |
| 121. | SEMINAR IN RENAISSANCE FLORENCE
Second Semester. M 2:45-5. | <i>Mrs. Shapiro</i> |
| 127. | ENGLAND IN THE SEVENTEENTH CENTURY
Second Semester. MWF 10. | <i>Mrs. Shapiro</i> |
| 129. | RENAISSANCE AND REFORMATION ENGLAND
First Semester. MWF 9. | <i>Mrs. Shapiro</i> |
| 130. | FROM BISMARCK TO HITLER: GERMANY 1871-1945
Second Semester. MW 2:45-4. | <i>Mr. Warmbrunn</i> |
| 140. | INDIA TO 1707. First Semester. MWF 10. | <i>Mr. Greenberger</i> |
| 141. | INDIA SINCE 1707. Second Semester. MWF 10. | <i>Mr. Greenberger</i> |
| 155. | MODERN CALIFORNIA. Second Semester. TTh 10, F 3. | <i>Mr. Everett</i> |
| 158. | UNITED STATES SINCE 1933. Second Semester. TTh 8, F 1. | <i>Mr. Everett</i> |
| 181. | SEMINAR IN IMPERIALISM. First Semester. MW 2:45-4. | <i>Mr. Greenberger</i> |
| 182. | SEMINAR: THE TRAUMA OF DECOLONIZATION
Second Semester. MW 2:45-4. | <i>Mr. Greenberger</i> |

SCRIPPS COLLEGE

- | | | |
|-------------|---|------------------|
| 123. | AMERICAN REVOLUTION, 1760-1790. Second Semester. MWF 8. | <i>Mr. Adair</i> |
| III-130a,b. | FRANCE IN THE NINETEENTH AND TWENTIETH CENTURIES
MW 1:15-2:30. | <i>Mr. Evans</i> |

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|--|-------------------|
| III-139. TECHNOLOGY AND SCIENCE IN THE MIDDLE AGES
Second Semester. MW 2:15-3:30. | <i>Mr. Blaine</i> |
| III-140. THE EARLY MIDDLE AGES. First Semester. TTh 2:15-3:30. | <i>Mr. Blaine</i> |
| III-141. THE LATER MIDDLE AGES. Second Semester. TTh 2:15-3:30. | <i>Mr. Blaine</i> |
| III-144. ENGLAND IN THE MIDDLE AGES
First Semester. MW 2:15-3:30. | <i>Mr. Blaine</i> |

CLAREMONT GRADUATE SCHOOL

Certain graduate courses and seminars are open to qualified Seniors with the consent of the instructor and the approval of the chairman of the department.

International Relations

The concentration in International Relations is governed by a faculty committee representing the several departments offering courses required for the concentration. For 1967-68 members of the Committee on International Relations are Messrs. Armacost (chairman), Brueckner, Douglass, Poland, Stone, Sytek, Tung, and Vieg.

Eight courses of upper division work are to be taken from the offerings listed below. Within this list, while some electives are allowed, a number of courses are specifically required. Lower division prerequisites for courses in the upper division should be met in the Freshman and Sophomore years. These are Government 61, Economics 51 and 52, and History 1; students desiring to emphasize international social and economic development should take Sociology 51 in addition.

Proficiency in at least one modern foreign language is required. Students of Chinese may satisfy the requirement by completing Chinese 101b. Others will normally be expected to complete two upper division courses beyond French 60, Spanish 60, German 60, Italian 60, or Russian 60. Whenever possible foreign language study should be undertaken in the Freshman year, but in any event the second year language course must be successfully completed by the end of the Junior year. Those majors with already strong experience in a language may be excused from taking courses after an oral and written examination administered by a member of the appropriate department; this examination must be passed no later than April 15 of the Junior year.

A Senior thesis involving intensive research in some aspect of international relations of special interest to the concentrator is to be submitted to the Chairman of the Committee by May 20 of the Senior year. The research and writing of the thesis is to be completed within a departmental readings and research course in either the Fall or Spring semester of the Senior year. In order to encourage background reading in the summer, the Committee requires submission of a tentative title for the Senior thesis by May 15 of the Junior year.

Under carefully defined conditions, the concentrator in International Relations is encouraged to participate in the Pomona Semester Abroad Program. Secure detailed description from faculty adviser or the committee chairman.

The comprehensive examination consists of two written examinations, and an oral examination before three members of the Committee. One portion of the written examination will be in the foreign language of the student's choice.

For specific descriptions of the courses listed below see the departmental listings:

I. CORE COURSES (6 courses required:)

1. Government 101. INTRODUCTION TO INTERNATIONAL RELATIONS.
2. History 113b. EUROPE SINCE 1848.
3. Economics 123. INTERNATIONAL ECONOMICS.
4. Government 155. AMERICAN FOREIGN RELATIONS.
5. Government 195. SENIOR SEMINAR IN INTERNATIONAL RELATIONS.
6. Government 193, 194; History 198; Economics 198a, 198b; or Sociology 199.
(The Senior thesis is written in one of these courses.)

II. TWO COURSES UNDER EITHER A OR B OR C:

A. Regional Courses (two courses on the same region):

EUROPE: Government 62, 154; History 107, 113a; CMC Political Science 130; CMC History 127, 146; Pitzer History 37, 127, 130; Pitzer Political Studies 150; Scripps III-130a,b.

THE SOVIET AREA: Government 126G, 127G; History 114; CMC History 123.

LATIN AMERICA: Government 158; History 135a,b; Sociology 102; CMC History 176, 177; Pitzer Sociology 108.

ASIA: Government 127G; History 60, 144a,b, 148, 178; CMC History 117, 166, 173; Pitzer History 140, 141, 181; Scripps III-129.

AFRICA: History 132; Anthropology 142, 144; Pitzer Political Studies 138, 139.

B. Economic and Social Development:

Economics 119. ECONOMIC HISTORY OF THE MODERN WORLD.

Economics 153. ECONOMIC DEVELOPMENT.

Economics 195. COMPARATIVE ECONOMIC SYSTEMS.

Government 156. POLITICS OF MODERNIZATION.

Sociology 130. POLITICAL SOCIOLOGY.

Sociology 153. SOCIAL MOVEMENTS.

Sociology 161. SOCIAL STRATIFICATION.

Anthropology 137. PRIMITIVE LAW AND GOVERNMENT.

Anthropology 160. SOCIAL AND CULTURAL CHANGE.

CMC Political Science 124G. COMPARATIVE POLITICS: THE DEVELOPING NATIONS.

Pitzer Anthropology 191. FOUNDATIONS OF POWER IN THE AFRO-ASIAN WORLD.

Pitzer History 182. THE TRAUMA OF DECOLONIZATION.

Pitzer Political Studies 135. THE POLITICS OF MASS SOCIETY.

Pitzer Sociology 15. POPULATION STUDIES.

Pitzer Sociology 175. SEMINAR IN SOCIAL THEORY AND SOCIAL CHANGE.

Pitzer Sociology 180. SEMINAR IN INDUSTRIALIZATION AND SOCIAL PROCESSES.

C. National Security Policy:

Government 153. NATIONAL SECURITY AND ARMS CONTROL.

Government 157. INTERNATIONAL RELATIONS OF INTERNAL WARS.

CMC History 120. EUROPEAN MILITARY HISTORY.

CGS Government 256. DIPLOMACY AND MILITARY POWER.

Pitzer Political Studies 130. INTERNATIONAL ORGANIZATION.

Note: Government 193, 194, "Readings and Research in International Relations," may be applied above according to the nature of the work undertaken. In addition courses at Claremont Graduate School are open to Seniors with the permission of the instructor and approval of the chairman of the International Relations Committee.

Mathematics

EQUIPMENT: The department has excellent library facilities. A new IBM System/360 digital computer is available for student use. Other equipment includes a Bendix G-15 digital computer and desk calculators.

REQUIREMENTS FOR CONCENTRATION: Mathematics 30, 31, 32, or 50a,b, 105, 110; and at least five additional upper division courses. Concentrators in Mathematics are urged to take several courses in a field in which mathematical applications are of importance. Philosophy 140 and 150 are also recommended.

UPPER DIVISION PROGRAM: Students planning to work for advanced degrees in Pure Mathematics should take Mathematics 130a,b, 145, 171, 172, 181, and 182. Students planning to work for the doctorate in Applied Mathematics or Statistics should take Mathematics 130a,b, 145, 181, 182, and at least two courses elected from 120, 151, 152, 154, 160, 164. A reading knowledge of German, Russian, or French should be acquired.

Students planning careers in high school or elementary teaching should take (1) Mathematics 123 or 124, or 151 and 152, and (2) Mathematics 141 and 145.

Students planning careers in the applications of mathematics to management and decision problems in business should take Mathematics S101 (Claremont Men's College), Mathematics 120, Mathematics 123, and Mathematics 126.

HONORS PROGRAM: Students interested in honors study should consult a member of the Department for information concerning this program.

PLACEMENT: All Freshmen who wish to enroll in a mathematics course should attend the advisory session on Mathematics on the Saturday preceding registration. Students who have passed the Advanced Placement Examination of the College Entrance Board with a high score may with departmental approval receive credit for all or part of Mathematics 30, 31, 32.

2. FUNDAMENTALS OF MATHEMATICS

Mr. Tolsted

(Not offered in 1967-68.)

Prerequisite: High school algebra and geometry.

This course is designed primarily for majors outside the physical sciences. It includes logic, the development of the number system, algebra, Boolean algebra, and Non-Euclidean geometry.

3a,b. INTRODUCTION TO COLLEGE MATHEMATICS

Mr. Tolsted

MWF 11. Prerequisite: High school algebra and geometry.

The two-semester sequence is designed to prepare students for Mathematics 30 and 123 as well as to provide a general mathematical background for students in the social and biological sciences.

30. ANALYTIC GEOMETRY AND CALCULUS I

Staff

First Semester. MWF 9, 10; TThS 10.

Prerequisite: Mathematics 3 or a satisfactory score on the placement examination.

Mathematics 30, 31, and 32 comprise a standard integrated course in analytic geometry and calculus.

31. ANALYTIC GEOMETRY AND CALCULUS II

Staff

First Semester: MWF 9, 10. Second Semester: MWF 9, 10; TThS 10.

Continuation of Mathematics 30.

32. ANALYTIC GEOMETRY AND CALCULUS III

Staff

First Semester: MWF 11, 1:15. Second Semester: MWF 9, 10.

Continuation of Mathematics 31, including an introduction to elementary differential equations.

50a,b. ANALYTIC GEOMETRY AND CALCULUS (ACCELERATED)

MWFS 10. Prerequisite: Departmental approval.

Mr. Yale

(Omitted in 1967-68.)

This course covers the material of Mathematics 30, 31, and 32 in two semesters. Not open for credit to students who have had Mathematics 30, 31, 32.

105. INTRODUCTION TO LINEAR AND ABSTRACT ALGEBRA

Mr. Stone and Mr. Bentley

First Semester: TThS 9. Second Semester: MWF 8.

Prerequisite: Mathematics 30 or 50a or permission of the instructor.

Finite dimensional vector spaces, groups of linear transformations. The algebra of matrices. Eigenvalues and eigenvectors. Applications to systems of linear equations and linear inequalities.

110. INTRODUCTION TO DIFFERENTIAL EQUATIONS

Staff

First Semester: Arranged. Second Semester: MWF 11, TThS 9.

Prerequisite: Mathematics 32 or 50. For the course in first semester, Linear Algebra is an additional prerequisite.

A general course in the theory and applications of ordinary differential equations.

120. NUMERICAL ANALYSIS AND DIGITAL COMPUTERS

Mr. Cooke

First Semester. MWF 9 and laboratory arranged.

Prerequisite: Mathematics 110.

Introduction to numerical and computer algorithms for interpolation, quadrature, the solution of algebraic and differential equations, and allocation and flow problems from mathematical economics.

123. STATISTICS FOR BIOLOGICAL AND SOCIAL SCIENTISTS *Mr. Bentley*

First Semester. MTWF 8.

Prerequisite: Mathematics 3 or 30, or permission of the instructor. Not open for credit to students who have taken Mathematics 124 or 152.

A decision theoretic introduction to the basic technique of statistical inference including the motivation for and application of point estimators, interval estimators, tests of hypotheses, regression and analysis of variance. Emphasis will be upon application in the biological and social sciences.

124. STATISTICAL INFERENCE

Mrs. Myhre

First Semester: TThS 8. (Offered at Harvey Mudd College in 1967-68.)

Prerequisite: Mathematics 32 or 50. Not open for credit to students who have taken Mathematics 123 or 152.

Foundations of probability theory. Survey of the probability laws most often encountered in applications. Estimation of parameters, confidence intervals, and tests of hypotheses.

126. THEORY OF GAMES, LINEAR AND NONLINEAR PROGRAMMING

Mr. Stone

Second Semester. TThS 9. (Offered in alternate years at Harvey Mudd College; offered at Pomona College in 1967-68.)

Prerequisite: Mathematics 32 and 105.

Zero-sum and non-zero-sum games, duality and existence theorems for linear inequalities, Simplex and Dual methods of linear programming, network flow problems, quadratic and integer programming. Applications.

130a,b. ADVANCED CALCULUS

Mr. Tolsted

TThS 10. Prerequisite: Mathematics 105 and 110 or permission of the instructor.

The real number system, introductory general topology, limits, sequences, continuity, the Riemann integral, improper integrals, uniform convergence, Taylor and Fourier series, partial derivatives, multiple integrals.

141. GEOMETRY

Staff

First Semester. MWF 8. (Offered in alternate years; offered at Harvey Mudd College in 1967-68.) Prerequisite: Mathematics 105 or Harvey Mudd Mathematics 52 or permission of the instructor.

Selected topics from Euclidean geometry, affine geometry, projective geometry and convexity.

145. TOPOLOGY

Mr. Yale

First Semester. (Offered in alternate years; not offered in 1967-68.) Prerequisite: Mathematics 105 and 130a. Not open for credit to students who have taken Harvey Mudd Mathematics 102.

Selected topics in point-set, combinatorial, and algebraic topology.

151. PROBABILITY

Mr. Bentley

First Semester. MWF 10. One hour to be arranged for a problem session. (Offered in alternate years at Harvey Mudd College; offered at Pomona College in 1967-68.) Prerequisite: Mathematics 32 and 105.

A measure-theoretic introduction to probability. Topics will include probability measures, expectation, limit theorems, Markov chains, and common probability laws.

152. STATISTICS

Mr. Bentley

Second Semester. MWF 10. Prerequisite: Mathematics 151. (Offered in alternate years at Harvey Mudd College; offered at Pomona College in 1967-68.)

An introduction to the general theory of statistical inference, including estimation of parameters, confidence intervals, and tests of hypotheses.

154. STOCHASTIC PROCESSES

Mr. Bentley

Second Semester. MWF 2:15-3:05. (Offered in alternate years; not offered in 1967-68.) Prerequisite: Mathematics 151.

An introduction to the theory and application of stochastic processes with special emphasis on the following processes: Markov, renewal, birth and death, Poisson, counting, stationary.

155. NUMBER THEORY

Mr. Bradley

First Semester. MWF 10. (Offered at Claremont Men's College in 1967-68.) Prerequisite: Mathematics 32 or 50.

Unique decompositions, congruences and arithmetic functions. Solved and unsolved problems in the theory of numbers.

160. APPLIED MATHEMATICS *Mr. Miller*
 First Semester. MWF 8. Prerequisite: Mathematics 110.
 Topics selected from problems in applied mathematics.
164. ADVANCED DIFFERENTIAL EQUATIONS *Mr. Cooke*
 Second Semester. Arranged. Prerequisite: Mathematics 110 and 130, or permission of the instructor.
 Selected topics from the theory of ordinary, partial, integral, and functional differential equations.
171. ABSTRACT ALGEBRA I *Mr. Hales*
 First Semester. MWF 11. Prerequisite: Mathematics 105.
 Construction of the complex number system, fields, Galois theory, and arithmetic in quadratic number fields. Vector spaces, rings, and groups. Selected topics.
172. ABSTRACT ALGEBRA II *Mr. Hales*
 Second Semester. MWF 11.
 Continuation of Mathematics 171.
181. FUNCTIONS OF A COMPLEX VARIABLE *Mr. Hamilton*
 First Semester. TThS 10. Prerequisite: Mathematics 130 or permission of the instructor.
 Algebra and calculus of functions of a complex variable, Cauchy's Theorem, Taylor and Laurent expansions, conformal mapping, entire functions, meromorphic functions.
182. FUNCTIONS OF A REAL VARIABLE *Mr. Cooke*
 Second Semester. MWF 10. Prerequisite: Mathematics 130 and 145. (Offered in alternate years at Harvey Mudd College; offered at Pomona College in 1967-68.)
 Measure and integration. Convergence theorems. Applications to Fourier series and LP spaces.
198. SUMMER RESEARCH
 Open by invitation to students of proven ability. A written report and an oral presentation of the results of the summer's work are required.
199. SEMINAR AND RESEARCH *Staff*
 Arranged. Course or half-course. Prerequisite: Departmental approval.
 Independent reading and research, and seminars in selected topics of higher mathematics are available to students of proven ability.
- MATHEMATICAL AND STOCHASTIC BIOLOGY. See Zoology 175.
- MATHEMATICAL AND SYMBOLIC LOGIC. See Harvey Mudd College Mathematics 139 or Philosophy 140.

COURSES AVAILABLE IN OTHER CLAREMONT COLLEGES

This list of courses consists mainly of those which do not duplicate offerings at Pomona College. For additional courses open to intercollegiate registration, consult the mimeographed list used for pre-registration or the catalogs of the other Claremont Colleges. If a course duplicates one offered at Pomona College, credit will be allowed either for the Pomona course or the course in the other college, but not for both.

CLAREMONT MEN'S COLLEGE

S101. OPERATIONS RESEARCH. Second Semester.

Mrs. Myhre

HARVEY MUDD COLLEGE

H120. NUMERICAL ANALYSIS. Second Semester.

H133. PARTIAL DIFFERENTIAL EQUATIONS
First Semester. TTh 9-10:30.

Mr. White

H140. LOGIC AND METAMATHEMATICS. Second Semester.

Mr. Pixley

PITZER COLLEGE

133. NUMBER SYSTEMS. Second Semester.

Miss Beechler

Military Science

The purpose of the Reserve Officers Training Corps (ROTC) is to produce college-trained officers for the United States Army. Upon receiving the baccalaureate degree and completing the ROTC program, graduates are commissioned in the Army Reserve or Regular Army in the grade of second lieutenant. Officers appointed in the Army Reserve normally serve on active duty for a two-year period. For those inclined toward a military career, there is also the opportunity for selection as Distinguished Military Graduates, who are offered Regular Army commissions. Each graduate is commissioned, insofar as possible, in a branch of the Army corresponding to his wishes and major academic field. Finally, for those interested in graduate schooling, delays in call to active duty are permitted for that purpose.

Pomona College students are afforded the opportunity to enroll in either a two-year or four-year program. The four-year program consists of the basic course, which is taken during the Freshman and Sophomore years, and the advanced course which is taken during the Junior and Senior years. Students who have had previous ROTC training or active military service may apply for advanced standing in the program.

Basic course students are required to attend two hours of instruction per week during the Freshman year and three hours of instruction per week in the Sophomore year. Attendance at three to four hours of instruction per week is required during the advanced course. Advanced course students also attend a six-weeks summer camp at Fort Lewis, Washington, following the Junior or Senior year. Retainer pay of \$50 per month is provided during the advanced course in addition to summer camp pay and allowances.

Students enrolled in the four-year program will be afforded the opportunity to compete for scholarships providing for payment of all tuition, laboratory fees, textbooks and monthly retainer pay of \$50 for a period of up to four years.

The two-year program differs from the four-year program in that attendance at a six-weeks basic summer camp is substituted for completion of the basic course as a prerequisite for entry into the advanced course. Scholarships will not be available to students enrolled in the two-year program.

In addition, a flight training program is offered in the Senior year for students who may be interested in flying, as either Reserve or Regular Army officers.

Selective service deferments are available to ROTC students after the first college semester.

Detailed course listings are outlined below:

- 1a-b. **MILITARY SCIENCE I** (Basic course, four-year program only.) *Staff*
Class, T or Th 8, 9, 10; Drill M 1:05-1:55.

The year's work is credited as a half-course.

Introduction to military organization; purpose of ROTC; individual weapons; and the United States Army and the national security. Special emphasis is given to the importance of the citizen-soldier to the American way of life.

- 52a-b. **MILITARY SCIENCE II** (Basic course, four-year program only.) *Staff*
Class, TTh 8, 9, 10; Drill M 1:05-1:55.

The year's work is credited as a half-course.

American military history; map reading and introduction to basic tactics. The foundation is laid for advanced training.

MILITARY SCIENCE I & II COMBINED BASIC SUMMER CAMP

(Two-year program only.)

Camp Staff

Conducted at Fort Knox, Kentucky. Six weeks between Sophomore and Junior years. This training constitutes one course.

Leadership theory; weapons training; map and aerial photo reading; inspections; demonstrations; hand-to-hand combat training; combat intelligence and counter-insurgency; military customs and courtesy. A practical introduction to the basic military skills as a foundation for advanced training.

- 103a-b. **MILITARY SCIENCE III** (Advanced course.)

Staff

Class, MWF 8, 9; Drill, M 1:05-1:55.

The year's work constitutes one course.

Leadership theory; methods of instruction and military teaching principles; function and mission of the arms and services of the United States Army; continuation of basic tactics; and the principles of communications.

MILITARY SCIENCE ADVANCED SUMMER CAMP

Camp Staff

(Advanced course.)

Conducted at Fort Lewis, Washington. Six weeks between Junior and Senior years.

Practical application of all phases of military life; including qualification firing; tactical exercises; physical conditioning; military customs and courtesy; and leadership training.

- 154a-b. **MILITARY SCIENCE IV** (Advanced course.)

Staff

Class MWF 8, 9; Drill, M 1:05-1:55.

The year's work constitutes one course.

Military staff operations; logistics; Army administration; military law; the role of the United States in world affairs; service orientation designed to prepare the student for entry on active service as a commissioned officer in either the United States Army Reserve or the Regular Army.

Courses of Instruction

Modern European Languages and Literature

CONCENTRATIONS:

FRENCH: Six courses numbered over 101. Required, French 101, 120a,b.

GERMAN: A program of concentration in German consists of six courses numbered above 100 and two additional courses in German or in a related field. Required: German 101.

ROMANCE

LANGUAGES: Eight courses numbered over 101. Required, French 101, Spanish 101, French 120a,b, Spanish 120a,b.

SPANISH: Six courses numbered over 101. Required, Spanish 101, 120a,b.

LANGUAGE LABORATORY: Elementary and intermediate language classes are expected to spend at least 45 minutes in the language laboratory each week. Instructions concerning registration and scheduling will be given during the first week of classes each semester. Laboratory fee: \$5.00 per semester.

PLACEMENT: All students who have had training in a modern European language and who consider further work in the same language are required to consult a member of the department to determine what course they should enter.

OLDENBURG CENTER: Men and women students may reside in Oldenburg Center for Modern Languages and International Relations and enjoy the benefits of a native speaking environment. There are currently wings devoted to French, German, Russian, Chinese, Italian, and Spanish. Admission is by selection. Consult the Department for further information.

PREPARATION FOR GRADUATE STUDY: Students who plan to continue the study of a foreign language in graduate school are reminded that Latin and a second modern foreign language are usually required.

LIMITATION ON ENROLLMENT: So far as is practicable the enrollment in courses in Modern European Languages may be limited as follows:

Courses numbered 1 and 51: 18 students in each section.

Courses numbered 60 and 101: 12 students in each section.

COURSES IN TRANSLATION

181. MASTERPIECES OF EUROPEAN LITERATURE IN TRANSLATION

Mr. Leggewie and Staff

Second Semester. M 2:15-5. Open to Juniors and Seniors only.

Selected works of European literature arranged around a theme. Proposed theme for 1968: Love in European literature.

FRENCH

1a-b. ELEMENTARY FRENCH

Staff

MTWF 9, 10, 1:15; MWThF 8. Qualified students may enter 1b. Laboratory arranged. Fee \$5.00 per semester.

Oral work in the basic structure of the language. Reading and writing through intensive practice. Conducted in French.

1b. ELEMENTARY FRENCH

Miss Johnson

First Semester. MWThF 11. Prerequisite: French 1a or the equivalent.
Laboratory arranged. Fee \$5.00 per semester.

Oral work in the structure of the language. Reading and writing through intensive practice. Conducted in French.

51. INTERMEDIATE FRENCH

Staff

First Semester: MWF 11 (two sections), 1:15; TThS 10. Second Semester:
MWF 11. Prerequisite: French 1b or the equivalent. Laboratory arranged.
Fee \$5.00 per semester.

Emphasis on extensive reading. Grammar review, continued practice in writing and speaking. Conducted in French.

60. ADVANCED FRENCH

Staff

First Semester: MWF 9, 11. Second Semester: MWF 11, 1:15. Prerequisite:
French 51 or the equivalent.

For students who plan to take upper division courses. Emphasis on correct idiomatic writing. Weekly essays, based on expository and literary reading. Oral work and grammar review.

UPPER DIVISION COURSES

French 60 or the equivalent is required for admission to all upper division courses.

101. INTRODUCTION TO FRENCH LITERATURE

Mr. Leggewie

Each Semester. TThS 9.
Permission of instructor required.

Analysis of styles and genres. Introduction to methods of criticism; practice in interpretation of literature. Required of majors.

120a,b. SURVEY OF FRENCH LITERATURE AND CIVILIZATION

MWF 10.

Miss Johnson

A general outline course in the history of French literature from its origin to modern times. First semester: to the end of the eighteenth century; second semester: nineteenth and twentieth centuries.

125. THEATER OF THE NINETEENTH CENTURY

Mr. Pronko

First Semester. MWF 1:15.

From Victor Hugo to the Théâtre Libre de Antoine.

126. THE NOVEL OF THE NINETEENTH CENTURY

Mr. Leggewie

(Omitted in 1967-68.)

From Chateaubriand and Hugo to Paul Bourget and Anatole France.

127. MODERN FRENCH THEATER

Mr. Pronko

Second Semester. MWF 1:15.

Study of representative playwrights of today with special emphasis on Claudel, Giraudoux, Sartre, Camus, Ionesco, Beckett.

130. THE CONTEMPORARY NOVEL

Mr. Leggewie

First Semester. T 3:15-5:05.

Study of Gide, Mauriac, Proust, Sartre, Camus.

150. CONTEMPORARY FRENCH POETRY *Mr. Pronko*
 (Omitted in 1967-68.)
 Study of outstanding poets from Baudelaire to the present.
153. LITERATURE OF THE SEVENTEENTH CENTURY *Miss Johnson*
 (Omitted in 1967-68.)
 A survey of seventeenth century French literature from Saint Amant to Bossuet, with special emphasis on Corneille, Racine, Molière.
160. MEDIEVAL FRENCH LITERATURE *Miss Johnson*
 (Omitted in 1967-68.)
 A survey of medieval French literature from Chanson de Roland to Villon. Preparation for reading Old French.
165. EIGHTEENTH CENTURY FRENCH LITERATURE *Mrs. Crosby*
 (Omitted in 1967-68.)
 The literature of the French Enlightenment with particular emphasis on the works of Voltaire, Diderot, Rousseau, and the theater of Le Sage, Marivaux, and Beaumarchais.
170. RENAISSANCE *Mrs. Crosby*
 Second Semester. MWF 11.
 Literature and ideas of the sixteenth century: Rabelais, Montaigne, Agrippa d'Aubigné, the poetry of the Pleiade and the Ecole de Lyon.
190. SPECIAL TOPICS *Miss Jacobson*
 Second Semester. MWF 9. Permission of the instructor required.
 The theme of death in nineteenth century French poetry.
192. READING AND RESEARCH IN FRENCH *Staff*
 Each Semester. Arranged. Permission of the instructor required. Open to concentrators capable of independent study. Course or half-course. May be repeated for credit.

GERMAN

- 1a-b. ELEMENTARY GERMAN *Staff*
 MTWTh 8, 9, 10; MWThF 11; WThFS 11; TWThF 9. Qualified students may enter 1b. Laboratory arranged. Fee \$5.00 per semester.
 Oral work in the basic structure of the language. Reading and writing through intensive practice. Conducted in German.
- 1b. ELEMENTARY GERMAN *Mrs. Everett*
 First Semester. TWThF 10. Prerequisite: German 1a or the equivalent. Laboratory arranged. Fee \$5.00 per semester.
 Oral work in the structure of the language. Reading and writing through intensive practice. Conducted in German.
51. INTERMEDIATE GERMAN *Staff*
 First Semester: MWF 9, 11; TThS 8, 10. Second Semester: TThS 10. Prerequisite: German 1b or the equivalent. Laboratory arranged. Fee \$5.00 per semester.
 Emphasis on extensive reading. Grammar review, continued practice in writing and speaking. Conducted in German.

60. ADVANCED GERMAN

Staff

First Semester: MWF 10. Second Semester: MWF 9, 10, 11. Prerequisite: German 51 or the equivalent.

For students who plan to take upper division courses. Emphasis on correct, idiomatic writing. Weekly essays, based on expository and literary readings. Oral work and grammar review.

UPPER DIVISION COURSES

German 60 or the equivalent is required for admission to all upper division courses.

101. INTRODUCTION TO GERMAN LITERATURE

Mr. Garlick

Each Semester. TThS 9. Permission of instructor required.

Analysis of styles and genres. Introduction to methods of criticism; practice in interpretation of literature. Required of majors.

110. GERMAN LITERATURE OF THE MIDDLE AGES

Mr. Sheirich

First Semester. MWF 9.

Readings in German literature from the *Hildebrandslied* to the *Ackermann aus Boehmen*.

120. LITERATURE OF THE SIXTEENTH AND SEVENTEENTH CENTURIES

Mr. Sheirich

Second Semester. MWF 9.

Readings in the literature of the Reformation and Baroque.

130a,b. GERMAN LITERATURE OF THE EIGHTEENTH CENTURY

(Omitted in 1967-68.)

Mr. Sheirich

Readings in the critical and imaginative literature of the Enlightenment, Storm and Stress, and Classical period. Emphasis on Lessing, Schiller, and Goethe.

140a,b. GERMAN LITERATURE OF THE NINETEENTH CENTURY

(Omitted in 1967-68.)

Mr. Brueckner

Reading and interpretation of plays, poetry, and narrative prose which reflect the development of German literature from Romanticism to the emergence of Naturalism.

150a,b. MODERN GERMAN LITERATURE

Mr. Brueckner

MWF 10.

A course devoted to the study of modern and contemporary German drama, poetry, and prose. Selections include works of Andersch, Brecht, Frisch, George, Hauptmann, Kafka, Mann, and Rilke.

190. SPECIAL TOPICS

Staff

(Omitted in 1967-68.) Permission of instructor required.

192. READING AND RESEARCH IN GERMAN

Staff

Each semester. Arranged. Permission of instructor required. Open to concentrators capable of independent study. Course or half-course. May be repeated for credit.

ITALIAN

1a-b. ELEMENTARY ITALIAN

Mr. Ricapito

(Omitted in 1967-68.) Qualified students may enter 1b. Laboratory arranged. Fee \$5.00 per semester.

Oral work in the basic structure of the language. Reading and writing through intensive practice. Conducted in Italian.

51. INTERMEDIATE ITALIAN

Mr. Ricapito

First Semester. MWF 10. Prerequisite: Italian 1b or the equivalent. Laboratory arranged. Fee \$5.00 per semester.

Emphasis on extensive reading. Grammar review, continued practice in writing and speaking. Conducted in Italian.

60. ADVANCED ITALIAN

Mr. Ricapito

Second Semester. MWF 10. Prerequisite: Italian 51 or the equivalent.

Emphasis on correct idiomatic writing. Weekly essays, based on expository and literary readings. Oral work and grammar review.

192. READING AND RESEARCH IN ITALIAN

Mr. Ricapito

Each Semester. Arranged. Permission of instructor required. Course or half-course. May be repeated for credit.

AVAILABLE AT SCRIPPS COLLEGE

I-1a-b. ELEMENTARY ITALIAN. MWThF 1:15.

Mrs. Ewing

132a,b. READINGS IN ITALIAN LITERATURE

Mrs. Ewing

MWF 2:15. Prerequisite: Italian 60 or the equivalent.

First Semester: Contemporary Italian literature.

Second Semester: Medieval Italian literature.

RUSSIAN

1a-b. ELEMENTARY RUSSIAN

Mr. Ulitin and Mrs. Kishkovsky

MTWF 9. Qualified students may enter 1b. Laboratory arranged. Fee \$5.00 per semester.

Oral work in the basic structure of the language. Reading and writing through intensive practice.

51. INTERMEDIATE RUSSIAN

Mr. Ulitin

First Semester. MWF 11, 1:15. Prerequisite: Russian 1b or the equivalent. Laboratory arranged. Fee \$5.00 per semester.

Emphasis on extensive reading. Grammar review, continued practice in writing and speaking.

60. ADVANCED RUSSIAN

Mrs. Kishkovsky

Second Semester. MWF 11.

Emphasis on correct, idiomatic writing. Weekly essays, based on expository and literary writings. Oral work and grammar review.

101. INTRODUCTION TO RUSSIAN LITERATURE

Mr. Ulitin

First Semester. MWF 2:15. Permission of instructor required.

Analysis of styles and genres. Introduction to methods of criticism; practice in interpretation of literature.

192. READING AND RESEARCH IN RUSSIAN

Mr. Ulitin and Mrs. Kishkovsky

Each Semester. Arranged. Permission of instructor required. Course or half-course. May be repeated for credit.

SPANISH

1a-b. ELEMENTARY SPANISH

Mrs. Bobonis

TThFS 9. Qualified students may enter 1b. Laboratory arranged. Fee \$5.00 per semester.

Oral work in the basic structure of the language. Reading and writing through intensive practice. Conducted in Spanish.

51. INTERMEDIATE SPANISH

Mr. Ricapito

First Semester: MWF 9. Prerequisite: Spanish 1b or the equivalent. Laboratory arranged. Fee \$5.00 per semester.

Emphasis on extensive reading. Grammar review, continued practice in writing and speaking. Conducted in Spanish.

60. ADVANCED SPANISH

Mrs. Bobonis

Each Semester. TThS 10. Prerequisite: Spanish 51 or the equivalent.

For students who plan to take upper division courses. Emphasis on correct, idiomatic writing. Weekly essays, based on expository and literary readings. Oral work and grammar review.

UPPER DIVISION COURSES

Spanish 60 or the equivalent is required for admission to all upper division courses.

101. INTRODUCTION TO SPANISH LITERATURE

Mr. Ricapito

Second Semester. MWF 9. Permission of instructor required.

Analysis of styles and genres. Introduction to methods of criticism; practice in interpretation of literature. Required of majors.

120a,b. SURVEY OF SPANISH LITERATURE

Mrs. Bobonis

TTh 1:15.

A general outline course in the history of Spanish literature from its origins to modern times.

170. CERVANTES

Mr. Ricapito

(Omitted in 1967-68.)

A study of the life and works of Cervantes with special attention to *Don Quijote* and its relation to European literature.

172. THEATER OF THE GOLDEN AGE

Mr. Ricapito

(Omitted in 1967-68.)

Intensive class study of Lope de Vega, Ruiz de Alarcón, Tirso, and Calderón.

180a,b. THE GOLDEN AGE

Mr. Ricapito

(Omitted in 1967-68.)

The Renaissance and the Baroque in Spanish literature. First semester: development of literary forms, chivalry, humanism, the picaresque, and the mystics; second semester: balladry and the theater.

185a,b. CONTEMPORARY SPANISH LITERATURE

Mr. Ricapito

MW 1:15-2:30.

A study of significant Spanish writers from 1898 to the present. Main figures: Unamuno, A. Machado, Jiménez, Ortega, Lorca.

191. SPECIAL TOPICS

Mr. Young

(Omitted in 1967-68.) Permission of the instructor required.

192. READING AND RESEARCH IN SPANISH

Staff

Each Semester. Arranged. Permission of instructor is required. Open to concentrators capable of independent study. Course or half-course. May be repeated for credit.

AVAILABLE AT SCRIPPS COLLEGE

I-168. LITERARY CURRENTS IN CONTEMPORARY LATIN AMERICA

Mr. Malta

First Semester. MW 3:15-5.

I-169. LATIN AMERICAN NOVEL. First Semester. MWF 10.

Mr. Malta

I-173. LITERATURE OF SELECTED LATIN AMERICAN COUNTRIES

Ecuador, Peru, Colombia. First Semester. TTh 3:15-5.

Mexico. First Semester. MWF 11.

Argentina. Second Semester. MWF 11.

Mr. Malta

Miss Gurza

Mrs. Lamb

I-175. LATIN AMERICAN POETRY. Second Semester. MW 3:15.

Mrs. Lamb

Music

COURSES OPEN TO NON-CONCENTRATORS: Courses designed primarily for non-concentrators include Introduction to Music (53, 54) and Materials of Music (4, 5). Ability to read music is required for the sequence of courses in the History of Musical Style (120, 121, 122, 123) and for Elementary Theory (1). Qualified students may be admitted by special action of the department to any course in music. Applied Music (vocal and instrumental) and the performing organizations (College Choir, orchestra, band, chamber music, and the Glee Clubs) are open to all students. Those undecided about concentration in music are advised to take Elementary Theory (1) immediately, in order to clarify their choice of concentration and to avoid crowding their Senior year programs.

CONCENTRATION: The concentration program is designed both for the pre-professional musician preparing for a career within the field, and for the student who may have other vocational plans but wishes to major in music while an undergraduate.

REQUIREMENTS FOR CONCENTRATION: The following courses are required of all students concentrating in music: Elementary Theory (1a,b), Intermediate Theory (55a,b), Advanced Theory (107a,b), and the two-year sequence in the History of Musical Style (120, 121, 122, 123.)

All concentrators must take a Basic Musicianship Examination, testing skills in sight reading, ear training, and keyboard harmony. Performance on the related parts of the examination is counted in grading the theory courses (1, 55, 107); final standing on the entire examination is counted in grading the comprehensive examination for graduating Seniors. Detailed information concerning the Basic Musicianship Examination may be obtained at the Music Department office.

All concentrators are expected to take part in the performing organizations, and to attend all concerts and recitals presented by the department.

In addition to the required courses listed above, one of the following areas of concentration is required:

APPLIED MUSIC: Two lessons per week in upper division Applied Music during the Junior and Senior years, frequent performance in Student Recitals, and performance of a Senior Recital.

COMPOSITION: Orchestration (113) and Free Composition (158).

GENERAL MUSIC: Credit study in Applied Music and continuing participation in performing organizations during the Junior and Senior years.

SECONDARY SCHOOL MUSIC: Orchestration (113), Conducting (117, 118), and Rudiments in the Playing of Orchestra and Band Instruments (119), with as much work as possible in piano, voice, and the performing organizations. In conjunction with the Claremont Graduate School, Pomona College offers a five-year program in which music majors who intend to teach in public schools may meet the requirements for the appropriate teaching credential. Such students will normally elect Secondary School Music as their area of undergraduate concentration. They should consult the Office of Credentials and Placement in the Claremont Graduate School, McManus Hall, about the State requirements as early as possible.

All concentrators are strongly urged to acquire a reading knowledge of at least one foreign language.

TRANSFER STUDENTS: Students transferring from other institutions as Juniors should take Elementary Theory (Music 1) or its equivalent before coming to Pomona, and should possess basic piano ability. They will be given a theory placement test to determine their proper course assignment and their transfer credit from previous theory study.

THEORY, HISTORY, AND LITERATURE

Music Theory courses for concentrators (1, 55, 107) are based upon analysis of musical works, practice in choral and instrumental textures, and writing in small forms.

1a,b. ELEMENTARY THEORY

Mr. Loucks

MWF 10. Laboratory sections for ear training, sight singing, and keyboard harmony once weekly: M 11, T 10, W 11, Th 10, or F 11. Ability to read music and basic familiarity with piano keyboard indispensable. Performance on elementary part of Basic Musicianship Examination included in course grade.

Diatonic harmony and two-part counterpoint.

4. MATERIALS OF MUSIC I

Miss Smith

First Semester. MWF 10.

Basic theory for the layman: melody, harmony, counterpoint, rhythm, form. Study of significant styles. Ability to read music important.

5. MATERIALS OF MUSIC II

Miss Smith

Second Semester. MWF 10. Prerequisite: Music 4 or Music 1a.

Continuation of Music 4: further study of materials through analytical listening and writing in short forms.

53. INTRODUCTION TO MUSIC I

Mr. Loucks and Staff

First Semester. Lectures, MW 2:15; section meetings, M 3:15, or W 3:15, or F 2:15. No previous musical experience required.

Technique of intelligent listening, principles of musical structure, and historical survey of major composers and styles through the study of representative works of Beethoven and his predecessors.

54. INTRODUCTION TO MUSIC II

Mr. Kohn and Staff

Second Semester. Lectures, MW 2:15; section meetings, M 3:15, or W 3:15, or F 2:15. No prerequisite.

Continuation of Music 53, with the study based upon the works of composers since Beethoven.

55a,b. INTERMEDIATE THEORY

Mrs. Briggs

MWF 11. Laboratory sections for ear training, sight reading, and keyboard harmony once weekly: M 3:15, T 1:15, W 3:15, or Th 1:15. Performance on intermediate part of Basic Musicianship Examination included in course grade. Prerequisite: Music 1.

Chromatic harmony and three-part counterpoint.

107a,b. ADVANCED THEORY

Mr. Kohn

MWF 8. Prerequisite: Music 55.

Contrapuntal devices and forms; twentieth century techniques. Performance on advanced part of Basic Musicianship Examination included in course grade.

- 113a,b. ORCHESTRATION AND INSTRUMENTATION *Mr. Blanchard*
 Arranged. Half-course each semester. Prerequisite: Music 55.

Scoring for orchestra, band, and vocal groups. Opportunity for public performance of outstanding work.

117. CHORAL CONDUCTING *Mr. Russell*

First Semester. T 1:15-3:05. Prerequisites: Choral experience, basic piano and sight singing ability, knowledge of elementary theory, and permission of the instructor. Half-course. (Offered in alternate years; offered in 1967-68.)

Technique of conducting, repertoire, score analysis, rehearsal planning, chorus building.

118. INSTRUMENTAL CONDUCTING *Mr. Bernstein*

Second Semester. F 1:15-3:05. Permission of instructor required. Half-course. (Offered in alternate years; offered in 1967-68.)

Baton technique, beat formation in all rhythms, score reading, rehearsal problems, repertoire.

- 119a,b. RUDIMENTS IN THE PLAYING OF ORCHESTRAL AND BAND INSTRUMENTS *Mr. Blanchard and Staff*

TTh 1:15. Half-course each semester. (Offered in alternate years; not offered in 1967-68.)

First semester: winds; second semester: strings.

The following four courses (120, 121, 122, 123) constitute a two-year sequence in the history of musical style. Study by formal analysis, class performance, and guided listening, of a repertoire selected to exemplify the respective periods stylistically and chronologically, with supplementary readings in the basic works of history and reference. Permission of the instructor required for non-concentrators. Concentrators should normally take the sequence in order, one course per semester.

120. MUSIC OF THE MIDDLE AGES AND THE RENAISSANCE *Mr. Kohn*

First Semester. MWF 9.

121. MUSIC OF THE BAROQUE AND PRE-CLASSICAL PERIODS *Mr. Loucks*

Second Semester. MWF 9.

122. MUSIC OF THE CLASSICAL PERIOD AND THE NINETEENTH CENTURY *Mr. Bernstein*

First Semester. TThS 9.

123. MUSIC OF THE TWENTIETH CENTURY *Mr. Russell*

Second Semester. TThS 9.

- 158a,b. FREE COMPOSITION *Mr. Kohn*

Arranged. Permission of instructor required.

Advanced studies in the elements of contemporary techniques, and original work intended to develop the student's sense of structure and style.

199. INDEPENDENT STUDY *Staff*

Each Semester. Arranged. Course or half-course.

Self-directed study of advanced topics under faculty guidance. Open to Juniors and Seniors whose written project proposals have been submitted at least one week prior to preregistration and have been approved by the department.

GRADUATE STUDY IN MUSIC

The Claremont Graduate School offers work leading to the Master of Arts degree with majors in Applied Music, Music History, Composition, and Music Education.

PERFORMING ORGANIZATIONS

Open to all students in the college. Credit is granted for satisfactory participation in each performing organization (the Glee Clubs excepted) on a cumulative basis: four semesters' participation is the equivalent of one half-course. No credit is given for less than four semesters' participation. Credit may be aggregated among the several organizations, but may not be had for more than two organizations in any one semester. Grades are on the pass-fail basis. Participation may be repeated for credit. To obtain credit for participation in the performing organizations students must register for it during the regular pre-registration and/or registration periods.

50A. COLLEGE CHOIR

Mr. Russell

Each Semester. MTWF 12:30-1:05; Th 11:00-12:20. (Women do not meet on T; men do not meet on M.) New members admitted in first semester only. Fee to cover cost of music: \$2.00.

The study of classic and contemporary choral music through rehearsals leading to public performance. Continued membership is contingent upon satisfactory performance in a singing test held in October on music practiced during the opening weeks of the year.

50B. ORCHESTRA

Mr. Bernstein

TTh 4:15-5:45. Permission of instructor required. Two periods of attendance weekly. Additional section rehearsals at option of director.

A study of major works of orchestral repertoire and application of the principles of orchestral routine through public performance.

50C. BAND

Mr. Russell

First Semester: Football Band. MW 4:15, and the Varsity games. Second Semester: Concert Band, subject to available instrumentation. T 6:30-8:30 p.m., with sectional rehearsals arranged as required.

Practice and performance of original works for winds and percussion.

50D. CHAMBER MUSIC

Mr. Bernstein

Arranged. Permission of instructor required.

Practice and performance of chamber music for various combinations.

MEN'S AND WOMEN'S GLEE CLUBS

Mr. Russell

Normal schedule: two practices weekly. No credit. Concurrent membership in College Choir essential. New members admitted by tryout only, at the opening of the college year.

The Glee Clubs, student-managed, offer opportunity for performance in a small extra-curricular ensemble, both on and off campus.

APPLIED MUSIC

Open to all students in the college. Applied Music may be taken either with credit or without.

GENERAL: The sign-up procedure for lessons in Applied Music begins at the Music Department Office. All students must pass qualifying examinations to establish eligibility for credit, since no credit is given for elementary study, and no credit is given for work in Applied Music taken elsewhere. Credit is granted for Applied Music study on a cumulative basis. One lesson per week carried

through four semesters, or two lessons per week carried through two semesters, is the equivalent of one half-course. Credit is given only upon completion of each such half-course. Private lessons are normally one half-hour in length.

LIMITATIONS: Students become eligible for one half-course of Lower Division credit in Applied Music by passing the Lower Division qualifying examination. For further credit they must take a full year of Elementary Theory (Music 1) or Materials of Music (Music 4, 5), either preceding or accompanying the additional work in Applied Music. Intermediate Theory (Music 55a,b) must precede or accompany all work for Upper Division credit. Limit of credit in Applied Music toward the Bachelor of Arts degree: 2 courses.

QUALIFYING EXAMINATIONS: Students working for credit in Applied Music are enrolled in two categories: Lower Division (Music 11), and Upper Division (Music 111). The passing of a qualifying examination is required for entrance into either category. These examinations are normally given near the beginning of each semester, and near the close of the college year. Arrangements for the examination should be made through the Applied Music instructor. Printed information concerning the qualifying examinations may be obtained at the Music Department office.

Fees for instruction and for the use of practice rooms are listed on page 46.

While instruction in Applied Music is organized on a semester basis, and credit is granted only for full semesters of study, students may begin non-credit lessons at any time, at pro-rated tuition. Registration for credit study should be made during the regular pre-registration and/or registration periods; a late registration fee will be charged after the first ten days of any semester to defray the clerical expenses involved in making the change.

VOICE, *Mrs. Briggs, Miss Wheeler.*

ORGAN, *Mr. Blanchard.*

PIANO, *Mr. Hewitt, Mr. Ritter, Mr. Kohn, and Mr. Reifsnyder.*

VIOLIN AND VIOLA, *Staff.*

VIOLONCELLO, *Mr. Lesser.*

STRING BASS, *Mr. Gregory.*

HARP, *Miss Call.*

FLUTE, *Mr. Moritz.*

OBOE, *Mrs. Geller.*

CLARINET, *Mr. Bloch.*

BASSOON, *Mr. Nowlin.*

FRENCH HORN, *Mr. Pyle.*

TRUMPET, *Mr. Stevens.*

TUBA, *Mr. Rice.*

GUITAR, *Mr. Barroso, Mr. Barrett.*

HARPSICHORD, *Mr. Hamilton.*

TIMPANI AND PERCUSSION, *Mr. Rees.*

Philosophy

The Claremont Colleges offer a coordinated program in Philosophy, in which Pomona participates.

CONCENTRATION: Eight courses, not more than two from the lower division. A program is to be designed by the student and submitted to the department for approval. As many as three courses from other fields may be substituted for philosophy courses if warranted by the student's program.

Those intending to do graduate work in Philosophy should acquire at least a reading knowledge of French and German, and competence both in symbolic logic and some aspects of the history of philosophy.

JOINT CONCENTRATIONS: Consult a member of the department for information about joint concentrations in Philosophy-Classics, Philosophy-Literature, Philosophy-History, and Philosophy-Religion.

The introductory course is designed to acquaint the student with the principles of philosophical criticism and with important documents representative of western thought.

50. PROBLEMS OF PHILOSOPHY

Staff

First Semester: MWF 10, 11; TThS 9, 10; TTh 1:15-2:30.

Second Semester: MWF 9, 10; TThS 9; T 1:15-3:05.

An introduction to the methods and problems of philosophy, through a consideration of some major original works.

History of Philosophy Series. Five semester courses designed to present the history of western philosophy through primary source readings, lectures, and discussions. Additional courses are available on individual philosophies and schools.

110G. ANCIENT PHILOSOPHY

Mr. Louch

First Semester. MWF 11.

Philosophical issues as formulated and/or treated by some early Greek poets, the pre-Socratics, the Sophists and Socrates, Plato, Aristotle, the Epicureans, Stoics, Skeptics, and neo-Platonists.

111G. MEDIEVAL PHILOSOPHY

Fr. Winance

First Semester. T 1:15-3:05.

The medieval development of the western philosophical tradition including study of the philosophies of Augustine, Scotus Eriugena, Thomas Aquinas, Arabian and Jewish philosophers.

112. MODERN PHILOSOPHY

Mr. Beckner

Second Semester. MWF 11.

An examination of two major movements in the seventeenth and eighteenth centuries: a) Continental Rationalism, including Descartes, Spinoza, and Leibnitz; and b) British Empiricism, including Locke and Hume.

113. NINETEENTH CENTURY PHILOSOPHY Mr. Erickson
First Semester. MWF 9.

A study of the philosophic thought of the nineteenth century, with emphasis upon the rise of German idealism and its decline. The writings of Kant, Hegel, Marx, and Nietzsche will be given major consideration.

114. CONTEMPORARY ANALYTIC PHILOSOPHY Mr. Hill
Second Semester. M 2:15-4:05.

A study of some major trends in twentieth century analytic philosophy, including logical positivism, linguistic analysis, and the background from which these developed.

Systematic Areas. A series of courses designed to cover the various special areas in philosophy on an advanced level.

120. PHENOMENOLOGY Mr. Beckner and Mr. Erickson
Second Semester. F 1:15-3:05.

An analysis of the phenomenological method and its application to the domains of ethics, art, religion, psychology, and psychiatry.

124. EXISTENTIALISM Mr. Sontag
Second Semester. W 1:15-3:05.

A philosophical analysis of existentialism, developed through a reading of Kierkegaard, Nietzsche, Sartre, and Camus.

- 132G. ORIENTAL PHILOSOPHY Mr. Hutchison
Second Semester. MWF 9.

Philosophies of India, China and Japan. Representative men, ideas and traditions studied in documents in translation.

137. ROMANTICISM Mr. Jones and Mr. Mulhauser
First Semester. Two sections: M 2:15-4:05; W 2:15-4:05. Enrollment limited to 18 students in each section.

A study of Romanticism, as manifested in philosophy and the arts.

150. PHILOSOPHY OF SCIENCE Mr. Beckner
First Semester. MWF 9.

An analysis of the nature of scientific method, theory, and innovation through an examination of selected topics in the history of science.

152. PHILOSOPHY OF HISTORY Mr. Sontag
Second Semester. M 1:15-3:05. (Omitted in 1967-68; offered in 1968-69.)

Theories concerning the interpretation, the goal, and the significance of history, including reading from Augustine, Hegel, Marx, Collingwood and Berdyaev.

154. PHILOSOPHY AND POETRY Mr. Jones
First Semester. MWF 11. (Omitted in 1967-68; offered in 1968-69.)

A study of four philosophical poets: Lucretius, Dante, Goethe, and T. S. Eliot.

- 158a,b. PHILOSOPHY AND THE WORLD OF ART Mr. Erickson and Mr. Frazer
T 1:15-3:45.

A philosophical analysis of the problems of the artist. First Semester: problems of various historical periods. Second Semester: contemporary art.

162. PHILOSOPHY OF RELIGION

Mr. Sontag

First Semester. W 1:15-3:05.

An examination of the role of philosophy in shaping theological doctrine, in critically evaluating religious experience, in proving the existence of God, and in considering the issues of atheism and evil.

164. ETHICS

Mr. Hill

First Semester. M 2:15-4:05.

An examination of the main types of ethical theory, and their practical applications. Selections from classic and contemporary sources.

167. FREUD, MARX AND CONTEMPORARY THOUGHT

Second Semester. MWF 9.

Mr. Erickson and Mr. O'Brien

The influence of Freud and Marx on contemporary literature and philosophy. (1967-68: special emphasis on Freud.)

168. PHILOSOPHICAL PSYCHOLOGY

Mr. Sontag and Mr. Hill

First Semester. F 1:15-3:05.

A study of two classical and two modern psychological theories, including Aristotle, Plato, or Plotinus; Freud and Jung (*Mr. Sontag*). A philosophical investigation of the concept of mind (*Mr. Hill*).

176. PHILOSOPHY AND THE SOCIAL SCIENCES

Mr. Jones

First Semester. MWF 10.

An examination of the impact of contemporary claims to offer a scientific view of man and society on our conception of human nature and freedom, and social and political institutions.

Logic. A series of courses designed to present the field of logic from an elementary to an advanced level. Normally either Logical Theory or Symbolic Logic is prerequisite for advanced courses.

53. INTRODUCTION TO LOGIC

Mrs. Schwartz

First Semester. MWF 10.

An examination of principles applied in the assessment of arguments in the sciences and everyday life. The elements of symbolic and traditional logic, and the logical structure of language.

135. SYMBOLIC LOGIC

Mrs. Schwartz

Second Semester. TThS 9.

Principles of logic studied through the development and analysis of a system of symbolic logic. The propositional calculus, quantification theory, and the nature of formal systems.

SYMBOLIC LOGIC. See Harvey Mudd College Philosophy 139. First Semester.

SYMBOLIC LOGIC AND METAMATHEMATICS. See Harvey Mudd College Philosophy 140. Second Semester.

PROBLEMS IN LOGIC AND SEMANTICS. See Claremont Graduate School Philosophy 201. Second Semester.

The following courses are designed for concentrators and for students with previous work in philosophy.

190. RESEARCH PROJECTS

Mr. Erickson

Arranged. Course or half-course. With permission of instructor, 190 may be taken as a summer reading course.

Independent reading and study on a topic of the student's choice, normally culminating in a research paper.

194. SPECIAL TOPICS: METAPHYSICS

Mr. Sontag

Second Semester. Th 1:15-3:45.

An attempt to construct a set of basic concepts through which our world can be understood, e.g., Being, Non-Being, and possible Gods.

COURSES AVAILABLE IN OTHER CLAREMONT COLLEGES

This list of courses consists mainly of those which do not duplicate offerings at Pomona College. For additional courses open to intercollegiate registration, consult the mimeographed list used for pre-registration or the catalogs of the other Claremont Colleges. If a course duplicates one offered at Pomona College, credit will be allowed either for the Pomona course or the course in the other college, but not for both.

CLAREMONT MEN'S COLLEGE

150. MATHEMATICS AND WESTERN THOUGHT. First Semester.

Mr. Henry

194. AMERICAN PHILOSOPHY. First Semester.

Mr. Roth

HARVEY MUDD COLLEGE

History 105, 106. HISTORY OF SCIENCE

Mr. Rae

Philosophy 166. THEORIES OF KNOWLEDGE

Mr. Boone

Interdepartmental 152. SCIENCE AND MAN'S GOALS

Staff

PITZER COLLEGE

*66. SEMINAR: LAW AND MORALITY. Second Semester. Mr. Evans and Mr. Rodman

*150. SEMINAR: CAUSALITY AND ACTION. First Semester.

Mr. Bogen

155. ON PERCEIVING. Second Semester.

Mr. Bogen

*190. SEMINAR IN THE PHILOSOPHY OF LANGUAGE. Second Semester. Mr. Bogen

*Permission of instructor required.

SCRIPPS COLLEGE

I-153a,b. COMPARATIVE LITERATURE II

Mr. Merlan

IV-162a,b. PHILOSOPHY AND HISTORY: APPEAL TO NATURE

Mr. Neumann

IV-164. NIETZSCHE. Second Semester.

Mr. Neumann

CLAREMONT GRADUATE SCHOOL

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| 219. PHILOSOPHY AND THEOLOGY. Second Semester. | <i>Mr. Sontag</i> |
| 251. KANT'S METAPHYSICS AND THEORY OF KNOWLEDGE
Second Semester. | <i>Mr. Erickson</i> |
| 266. POLITICAL AND LEGAL PHILOSOPHY: THE CONCEPT OF JUSTICE
Second Semester. | <i>Mr. Hill</i> |

Physical Education

A student is required to take eight Physical Education Activities during his four years at the College. Exceptions to this requirement are handled by petition to the Physical Education Department. The normal registration is one activity per semester, but a student may, for purposes of accelerating this program or making up past deficiencies, enroll for a maximum of two activities per semester. Transfer students will be placed according to their previous work and the class into which they transfer. Activity courses are marked on a "pass-fail" basis, and successful completion of all work is required for graduation.

All men students are expected to participate in two semesters of a Freshman orientation course, to demonstrate the ability to swim, and to exhibit reasonable skill or experience in two individual sports.

All women students are expected to participate in one semester of fundamental activities, to demonstrate the ability to swim, to take part in one individual sport, and to take part in one dance class.

PROFESSIONAL PREPARATION

Although the College does not offer a concentration in Physical Education, certain professional courses are offered for those students interested in the field, provided there is sufficient demand. Election of these courses, followed by a year of graduate work, may qualify the student for the General Credential with a major or minor in Physical Education. It may also qualify the student for further study in physical therapy, occupational therapy, and recreation. Interested students should confer with a member of the Physical Education Department during the Freshman year.

It is suggested that the four years of physical education activities be so selected as to give the individual the opportunity for both technical skills and leadership training in a wide range of activities.

THEORY

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| 50. INTRODUCTION TO PHYSICAL EDUCATION
First Semester. TTh 8. | <i>Mr. Platt</i> |
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A consideration of the nature of the profession and related fields of health and recreation, including a study of professional leaders, publications, and opportunities.

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| 125. ANALYSIS OF PLAY AND COMMUNITY RECREATION
Second Semester. MWF 8. (Offered in alternate years; not offered in 1967-68.) | <i>Miss Cawthorne</i> |
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The nature and function of play in meeting the physical, mental, emotional, and social needs of people of all ages in both physical education and leisure time pursuits. An analysis of the organization and administration of community recreation departments, programs, and leadership.

130a,b. THE HISTORY AND TEACHING OF DANCE

Mrs. Hypes

Lecture, T 2:15; laboratory, F 1:15-3:05. Half-course each semester. (Offered in alternate years; offered in 1967-68.)

Analysis of the problems and techniques of teaching rhythms at the elementary or high school level. First Semester: historical background of folk dance and methods of teaching elementary rhythms and folk dance. Second Semester: historical background and methods of teaching contemporary dance at the secondary school level.

150. SELECTED TOPICS IN PHYSICAL EDUCATION

Staff

Each Semester. Arranged. Course or half-course.

Independent reading and research, with papers and examinations as individual programs may require.

154. HISTORY AND PRINCIPLES OF PHYSICAL EDUCATION

Mr. Malan

Second Semester. MWF 8. (Offered in alternate years; offered in 1967-68.)

A study of Physical Education philosophy including the scientific bases and the historical development of the profession, the formulation of guiding principles, and the relation of those principles to current practice.

MEN'S ACTIVITIES

Students engage in an elective program of physical education activities except as certain limits are imposed by medical and physical examinations and tests and by department requirements. Freshmen are required to participate in an Orientation course. The course is designed to introduce Freshmen to the program of physical activity at Pomona College, to provide opportunity for group and self-testing, and to present experiences in fundamental movement including emphasis on general physical development. In addition, students must demonstrate ability to swim and reasonable skill or experience in at least two individual sports.

The following physical education activities are carried on under supervision of the department. Those marked with an asterisk are conducted in cooperation with the Women's Department:

*archery	*fencing	*life saving	trampoline
*badminton	*golf	*riding	*tumbling
*bowling	*gymnastics	swimming and diving	volleyball
*dance	judo	tennis	weight training
			wrestling

Nominal fees are required each semester of those who select archery, badminton, bowling, fencing, golf, riding, social dance, and tennis.

The department conducts a competitive intramural program of sports in season including:

badminton	softball	volleyball
basketball	swimming	wrestling
flag football	track and field	

The college program of intercollegiate athletics is an integral part of the program of physical education. No student is permitted to participate in the more strenuous forms of competition without certification by the College Physician that the individual is physically fit for such participation. Opportunities for intercollegiate competition are provided in the following:

baseball	football	swimming
basketball	golf	tennis
cross-country	lacrosse	track and field
fencing	rugby	water polo
	soccer	wrestling

WOMEN'S ACTIVITIES

Physical examinations are given entering students. Physical activities are allowed or prescribed as the result of these examinations. Participation in a FUNDAMENTAL activity is required one semester of the Freshman year. Students may have freedom of election in other activities but must include one individual sport and one dance class. The passing of a swimming test is required for graduation. This should be completed by the end of the Sophomore year.

FUNDAMENTALS: modern dance, body mechanics, body fitness, co-ed gymnastics, judo.

TEAM SPORTS: basketball, hockey, softball, volleyball.

INDIVIDUAL SPORTS: archery, badminton, golf, ice skating, fencing, riding, riflery, roller skating, bowling, tennis, trampoline, swimming, track and field.

DANCING: modern, folk, social.

RECREATIONAL GAMES: table tennis, paddle tennis, shuffleboard, etc.

Nominal fees are required each semester of those who select archery, badminton, bowling, fencing, golf, ice skating, riding, social dance, tennis.

In conjunction with the Women's Recreation Association the department sponsors teams in inter-school leagues in tennis, volleyball, basketball, softball, track, badminton, bowling.

Physics

CONCENTRATION REQUIREMENTS: General Physics; General Chemistry; and at least seven courses of upper division physics including 100, 101, 192, and 195a.

PRE-PROFESSIONAL PROGRAM: A student planning graduate work in physics should include additional courses in physics and mathematics. A reading knowledge of German, French or Russian should be acquired. Modified programs within the physics concentration are offered in preparation for such interdisciplinary fields as astrophysics, biophysics, geophysics, and chemical physics. Consult the staff for details.

LABORATORY FACILITIES: Modern equipment is available for experimental work in a broad range of fields including electronics, nuclear physics and cyclotron techniques, cryogenics, magneto-optics, magnetic resonance, x-ray diffraction, electron microscopy, interferometry, certain areas of biophysics and astrophysics, and digital and analogue computation. Experimental work is normally carried on in Physics 141 and 192, but additional work may be done under 198 and 199.

1. INTRODUCTION TO PHYSICS

Mr. Miller

Second Semester. TTh 1:15-2:30.

An introduction to physics through study of the growth of ideas and the scientific method, accompanied by appropriate lecture demonstrations. Students will be expected to pursue a reading program from current literature and classical references. Intended for those majoring in humanities and social sciences.

2a,b. GENERAL PHYSICS

Mrs. Harris and Staff

MWF 9. Laboratory, Th or F 1:15-4:05. Prerequisite: Trigonometry. Mathematics 3 preceding or accompanying the course is recommended. Fee \$6.00.

Intended for those in science areas other than physical science and engineering. The laboratory parallels that of Physics 51.

7. GRAPHIC SCIENCE

Mr. Grimm

First Semester. Lecture, W 3:15 or arranged. Laboratory, any afternoon. NC. Engineering graphics, graphic analysis, graphical methods of problem solving, curve fitting, slide rule and desk calculator techniques.

51a,b. GENERAL PHYSICS

Mr. Ogier and Mr. Hughes

TThS 9, and one discussion section (arranged). Laboratory, T, W, or Th, 1:15-4:05. Prerequisite: Completion or concurrent enrollment in Mathematics 30, 31, or 50a,b. Fee \$6.00.

For those planning further work in physical science, engineering and other science areas.

61a,b. GENERAL PHYSICS WITH EXPERIMENTAL ANALYSIS

Mr. Ogier and Mr. Hughes

TThS 9 and discussion section (arranged). Laboratory, M or T 1:15-4:05. Prerequisite: Completion or concurrent enrollment in Mathematics 30, 31, or 50a,b. Fee \$6.00.

Recommended for those planning to major in physics and for well-prepared students in other sciences, particularly those planning careers in research. Lectures in common with Physics 51. Discussion and laboratory periods emphasize problem solving through the use of models, optimized experimental design, numerical analysis of data, error analysis and scientific report writing.

100. FIELDS, WAVES, AND PARTICLES

Mr. Ogier

First Semester. MWF 10 and one conference hour arranged. Prerequisites: Physics 51 or 61; completion or concurrent enrollment in Mathematics 32, or permission of the instructor.

Electromagnetic waves and radiation theory; physical optics; special relativity.

101. ATOMIC AND NUCLEAR STRUCTURE

Mr. Ogier

Second Semester. MWF 10 and one conference hour arranged. Prerequisites: Physics 100 and completion or concurrent enrollment in Mathematics 110, or permission of the instructor.

An introduction to wave mechanics, spectra and structure of atoms, solid state, and nuclear physics.

110. QUANTUM CHEMICAL PHYSICS

Mrs. Harris

First Semester. MWF 11. Prerequisites: Physics 51 or 61; Chemistry 1a,b or equivalent; Mathematics 32; or permission of instructor.

Application of approximation methods of quantum physics to modern problems of chemistry and biophysics.

141a,b. ELECTRICITY AND MAGNETISM

Mr. Mitescu

MWF 9. Laboratory, W 1:15-4:05. Prerequisites: Physics 51 or 61 and Mathematics 110, or permission of the instructor. Fee \$6.00.

First semester: Linear network theory, physical electronics, and the physical basis of Maxwell theory. Second semester: Electromagnetism in material media, field theory, special relativity, and radiation.

151. MECHANICS

Mr. Hughes

First Semester. TThS 10. Prerequisites: Physics 51 or 61, Mathematics 110, or permission of the instructor.

The classical mechanics of Newton, Lagrange and Hamilton, with emphasis on central force problems, rigid body dynamics, and vibration theory.

170. QUANTUM MECHANICS

Mr. Miller, Mr. Hughes

First Semester: MWF 11. Second Semester: TThS 10. Prerequisites: Physics 101 and Mathematics 160, or permission of the instructor.

The Schroedinger equation and application to atomic and nuclear phenomena, perturbation techniques, scattering phenomena, elementary relativistic quantum mechanics.

192. ADVANCED PHYSICS LABORATORY

Staff

First Semester. T 1:15-4:05. Prerequisites: Physics 141 and departmental approval. Half-course. Fee \$6.00.

Experimental study of selected areas in physics with emphasis on modern techniques.

195a,b. THERMODYNAMICS AND STATISTICAL MECHANICS

Mr. Mitescu

First Semester. TTh 9. Prerequisites: Physics 51 or 61 and Mathematics 110. Half-course each semester.

The laws and applications of thermodynamics and statistical mechanics with particular emphasis on quantum statistics in modern physics.

197. ATOMIC PHYSICS

Mr. Miller

Second Semester. MWF 11. Prerequisite: Physics 170, or permission of the instructor.

Applications of classical and quantum physics to selected problems of atomic, nuclear, and solid state physics.

198. SUMMER RESEARCH

Staff

Open to students of proven ability by invitation. A written report and seminar presentation of the summer's effort is normally required.

Joint student-faculty research projects currently in progress include cryogenics, magnetism and magneto-optics, cyclotron physics, electron-spin resonance, astrophysics, biophysics, and associated theoretical analysis.

199. SELECTED TOPICS

Staff

Available to students of proven ability. Prerequisite: Departmental approval. Course or half-course.

Directed research or independent study of advanced subjects not treated in other courses of the department.

Psychology

The psychology curriculum is designed to provide an integrated study focused upon 1) a broad background in the principles of psychology, 2) the significance of these principles in special fields, and 3) theory and problems of psychological measurement and investigation.

REQUIREMENTS FOR CONCENTRATION: Psychology 158, 160, 162 and 194a,b plus two other psychology courses. With the permission of the department chairman, two courses in Zoology numbered 100 or above may be substituted for the non-specified courses in psychology. Students planning on further graduate training leading to careers in professional psychology (e.g., clinical psychology, industrial psychology, vocational rehabilitation, college teaching) are advised to have an adequate preparation in mathematics, the physical sciences, and biology.

Psychology 51 or its equivalent is prerequisite for all psychology courses at Pomona or IV-112 at Scripps. Enrollment in a course for which the prerequisite has not been completed may be granted in special cases by permission of the department chairman.

51. INTRODUCTION TO PSYCHOLOGY

Staff

Each Semester. MWF 9; TTh 1:15-2:30. Laboratory sections (first semester), M 2:15-4:05; W or F 1:15-3:05; or Th 2:40-4:05; (second semester), T or F 1:15-3:05. Fee \$10.00.

An overview of the scientific approach to the study of human development, personality, motivation, and learning. Laboratory is designed to acquaint the students with research techniques and basic principles of the description and quantification of behavior.

107. EDUCATIONAL PSYCHOLOGY

Mr. Faust

Second Semester. MWF 10.

The application of principles of learning and theory of child development to education.

108. CHILD PSYCHOLOGY

Mr. Faust

First Semester. MWF 9.

Analysis of theories of personality development and demonstration of methods of studying young children.

131. ABNORMAL PSYCHOLOGY

Mr. Vogler

First Semester: TThS 10. Second Semester: MWF 2:15-3:05.

Problems of maladjustment, factors contributing to mental disorders, methods of diagnosis and therapy.

132. INDIVIDUAL READINGS AND RESEARCH

Staff

Each Semester. Arranged. Prerequisites: Permission of the instructor and two courses in psychology. Course or half-course. May be repeated for credit.

136. PSYCHOLOGY AS APPLIED TO INDUSTRIAL ORGANIZATIONS

First Semester. (Omitted in 1967-68.)

Mr. Bell

154. SOCIAL PSYCHOLOGY

Mr. Bell

Second Semester. MWF 11.

Examination of the psychological factors of group behavior, with special emphasis on leadership and group behavior.

158. EXPERIMENTAL PSYCHOLOGY: PERSONALITY MEASUREMENT AND TEST CONSTRUCTION *Mr. Bell*

First Semester. MWF 11; laboratory T or W 1:15. Fee \$10.00.

A survey of testing theories and procedures as applied to the evaluation and understanding of personality.

159. PHYSIOLOGICAL PSYCHOLOGY *Mr. Gabriel*

First Semester. Th 2:15-4:05 and arranged. Fee \$10.00.

Physiological and neural aspects of psychological functions.

160. EXPERIMENTAL PSYCHOLOGY: PERCEPTION AND COGNITION *Mr. Gabriel*

Second Semester. Lecture and laboratory, TTh 2:30-4:05. Prerequisite: Psychology 158. Fee \$10.00.

Principles of human perception and thinking with special emphasis on design of representative experiments and analysis of data. Lecture, laboratory and demonstrations.

161. EXPERIMENTAL PSYCHOLOGY: MOTIVATION AND EMOTION *Mr. Gabriel*

First Semester. Lecture, Th 9 and laboratory arranged. No prerequisite.

A study of major concepts of motivation and emotional experience. Emphasis in laboratory on basic principles and methods of measurement.

162. EXPERIMENTAL PSYCHOLOGY: LEARNING AND PROBLEM SOLVING *Mr. Faust*

First Semester. Lecture and laboratory, M 2:15-4:05. Prerequisite: Psychology 160. Fee \$10.00.

An introduction to the experimental and theoretical issues in human learning and problem solving.

165. PSYCHOANALYTIC THEORIES OF PERSONALITY *Mr. Vogler*

Second Semester. TTh 2:15-3:30.

A study of Freudian and Neo-Freudian Personality Theory and its impact upon behavioral sciences and theories of man.

173. NON-PSYCHOANALYTIC THEORIES OF PERSONALITY *Mr. Bell*

First Semester. T 7-10 p.m.

An examination and evaluation of current non-psychoanalytic theories of personality and their relevance for the individual in modern society.

180. INTRODUCTION TO CLINICAL PSYCHOLOGY *Mr. Vogler*

First Semester. W 1:15-3:05.

A survey of theory, methods, techniques and underlining principles in the area of clinical psychology. Permission of instructor required.

192. SENIOR RESEARCH PROBLEMS *Staff*

Each Semester. Arranged. Course or half-course. May be repeated for credit.

Each student will plan and conduct a research project under the direction of the staff.

194a,b. SENIOR TOPICS *Staff*

Each Semester. Arranged. Required of concentrators. Open to others by permission.

A survey of critical readings and research publications.

COURSES AVAILABLE IN OTHER CLAREMONT COLLEGES

This list of courses consists mainly of those which do not duplicate offerings at Pomona College. For additional courses open to intercollegiate registration, consult the mimeographed list used for pre-registration or the catalogs of the other Claremont Colleges. If a course duplicates one offered at Pomona College, credit will be allowed either for the Pomona course or the course in the other college, but not for both.

CLAREMONT MEN'S COLLEGE

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| 191. | INDUSTRIAL PSYCHOLOGY. Second Semester. | <i>Mr. Albrecht</i> |
| 207c. | INDUSTRIAL PSYCHOLOGY. First Semester. W 7-10 p.m.
(Available to seniors with consent of instructor.) | <i>Mr. Albrecht</i> |
| 245c. | ORGANIZATION AND ADMINISTRATION
(Available to seniors with consent of instructor.) | <i>Mr. Albrecht</i> |

PITZER COLLEGE

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| 65. | PSYCHOLOGY OF RELIGION. First Semester. MWF 1:30-2:30. | <i>Mr. Matthysse</i> |
| 70. | SOCIALIZATION AND PERSONALITY IN CROSS-CULTURAL PERSPECTIVE
First Semester. MW 1:15-2:30. | <i>Mr. and Mrs. Munroe</i> |
| 175. | GROUP PROCESSES. Second Semester. | <i>Mr. Ellenhorn</i> |

SCRIPPS COLLEGE

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| III-108. | PSYCHOLOGY OF CREATIVITY. Second Semester. | <i>Miss Langland</i> |
| III-110. | CHILD DEVELOPMENT
First Semester. MWF 11. Prerequisite: III-52 or equivalent. | <i>Mrs. Jones</i> |
| III-112a-b. | NURSERY SCHOOL LABORATORY
TTh 2:15 and arranged. Prerequisite: III-52 and/or III-110. | <i>Miss Kunz</i> |
| III-114a-b. | NURSERY SCHOOL PLANNING AND ADMINISTRATION
TTh 3:15 and arranged. Prerequisite: III-112a-b. | <i>Miss Kunz</i> |
| III-134. | CHILDREN IN CONTEMPORARY CULTURES
MW 1:15 and arranged. | <i>Mrs. Jones</i> |

Religion

CONCENTRATION: Required courses are Religion 1, 50, and six upper division courses, of which two must be from the series 101-106. With the approval of the chairman of the department, two upper division courses in a related field may be substituted for two upper division courses in Religion.

JOINT CONCENTRATIONS: Consult the chairman of the department for information about joint concentrations in Religion and History, Religion and Philosophy, or Religion and Classics.

General courses designed to introduce the student to the field of religion in connection with some type of religious literature.

1. THE BIBLICAL HERITAGE

Mr. Whedbee

First Semester: TThS 9. Second Semester: MWF 10.

A critical, historical, and exegetical introduction to the literature of the Old and New Testaments.

2. ISSUES IN RELIGIOUS THOUGHT

Mr. Voelkel

First Semester: TTh 1:15-2:30. Second Semester: TTh 1:15-2:30.

An examination of certain ideas and problems in theology, such as the nature of religion, the idea of God, religion in the modern world, the significance of the Judeo-Christian tradition, and the meaning of Christ.

3. RELIGION AND AMERICAN CULTURE

Mr. Ferm

First Semester. MWF 9.

A study of the problems of a religiously pluralistic society, with attention given to the structure of the Protestant, Catholic, and Jewish traditions and to contemporary social issues.

50. THE EASTERN RELIGIOUS TRADITIONS

Mr. Hutchison

First Semester. MWF 8.

A study of the religious life of India, China, and Japan through examination of leading religious figures and the sacred scriptures in translation.

51. THE WESTERN RELIGIOUS TRADITIONS

Staff

Second Semester. MWF 9.

A study of the major men, ideas, and institutions in Jewish, Islamic, and Christian history.

A series of courses dealing with the periods of Western religious history and thought.

101. RELIGION AND MYTHOLOGY

Mr. Whedbee

First Semester. MWF 10. (Offered in alternate years; not offered in 1967-68.)

A comparative study of the religious use of myth, with emphasis on the mythological literature of the ancient Near East. The primary themes of mythopoeic thought will be examined on the basis of the original sources in English translation.

102. THE DEVELOPMENT OF HEBREW RELIGION

Second Semester. MWF 11. (Offered in alternate years; offered in 1967-68.)

An historical examination of the dominant themes in the religion of ancient Israel from the Patriarchal period through the apocalyptic message of Jesus. Familiarity with Biblical text strongly recommended.

103. THE GROWTH OF EARLY CHRISTIANITY Mr. Voelkel
First Semester. F 1:15-3:05. (Offered in alternate years; not offered in 1967-68.)

A study of Christian life and thought from Paul through Augustine. Special emphasis will be placed upon the development of theology in the context of Graeco-Roman culture.

104. THE FORMATION OF THE CATHOLIC AND PROTESTANT TRADITIONS Mr. Voelkel
Second Semester. TThS 10. (Offered in alternate years; not offered in 1967-68.)

Discussion of Augustinian thought, scholastic theology, and the work of the Protestant reformers, Luther and Calvin, to show the characteristic forms taken by Western Christianity. Emphasis will be placed upon the reading of primary texts.

105. MODERN RELIGIOUS THOUGHT Mr. Ferm
Second Semester. TTh 8. (Omitted in 1967-68; offered in 1968-69.)

A study of religious thought from the Enlightenment through the nineteenth century, with major attention given to England and America.

106. CONTEMPORARY THEOLOGY Mr. Voelkel
First Semester. TThS 10.

Reading and discussion of the major figures in recent and contemporary theology. Included are Otto, Buber, Barth, Tillich, the Niebuhrs, and Bultmann.

A series of advanced seminars.

120. STUDIES IN BIBLICAL INTERPRETATION Mr. Whedbee
First Semester. F 1:15-3:05. Prerequisite: Religion 1 or consent of instructor. Research and discussion in selected literary, historical, and theological problems of the Old and New Testaments. Topic for 1967-68: The Isaiah Literature.

121. STUDIES IN THEOLOGY Mr. Voelkel
Second Semester. W 1:15-3:05. Prerequisite: One course in Religion or permission of the instructor. (Offered in alternate years; offered in 1967-68.) Concentrated study of a selected topic in theological or ethical thought. Topic for 1967-68: Roman Catholic Thought from Trent to Vatican II.

122. STUDIES IN RELIGION AND CULTURE Mr. Ferm
Second Semester. TTh 8. Prerequisite: One course in Religion or permission of the instructor. (Offered in alternate years; offered in 1967-68.) Topic for 1967-68: The "Radical" Theology.

190. READINGS IN RELIGION Staff
Arranged. Permission of the instructor required. Course or half-course. A reading program for upper division students.

AVAILABLE AT CLAREMONT MEN'S COLLEGE

111. CURRENT PROBLEMS IN CHRISTIAN ETHICS Mr. Kucheman
First Semester. TTh 12; S 11.
120. MODERN JUDAISM. First Semester. T 1-4. Mr. Beerman
144. RELIGION, SOCIETY AND SOCIAL CRITICISM. Second Semester. Mr. Kucheman
192. CONTEMPORARY RELIGIOUS THOUGHT. Second Semester. Mr. Kucheman

AVAILABLE AT SCRIPPS COLLEGE

- IV-50b. MEN AND IDEAS IN JUDAEO-CHRISTIAN TRADITION *Mr. Hamerton-Kelly*
First Semester. T 10-12; Th 10.
- IV-51. CLASSIC RELIGIOUS WRITINGS OF THE WEST. Second Semester. *Mr. Reckard*
- IV-126. SEMINAR ON CHRISTIAN ORIGINS. Second Semester. *Mr. Hamerton-Kelly*
- IV-129. THE JOHANNINE LITERATURE *Mr. Hamerton-Kelly*
First Semester. W 3-5.

Sociology and Anthropology

SOCIOLOGY CONCENTRATION: Sociology 51 plus six upper division courses in sociology including 105 and 154. Normally students concentrating in sociology should take 105 following 51, then 154 in the Junior year. Recommended electives: Psychology 154 and selected courses in anthropology. Students planning to continue in graduate sociology should take Mathematics 123.

ANTHROPOLOGY CONCENTRATION: A coordinated program is offered by Pomona College and Pitzer College. Concentration requires two introductory courses, Anthropology 51 (or its equivalent at Pitzer College) and 53, plus four upper division courses in Anthropology. In addition, a minimum of four courses in another field chosen in consultation with the student's adviser.

PREREQUISITES: In sociology, Sociology 51 or instructor's permission is necessary for courses above 100. In anthropology, Anthropology 51 or instructor's permission is required for courses above 150.

SOCIOLOGY

51. THE STUDY OF SOCIETY *Staff*
First Semester: MWF 9; TThS 8. Second Semester: MWF 9.

The basic characteristics and dynamics of society, culture, and personality as related to man's group behavior.

52. SOCIAL PROBLEMS *Mr. Lasswell*
Second Semester. TThS 8.

An analysis of disruptive factors in present day society related to personal, family, and community disorganization. Theories and programs for prevention and treatment.

105. SOCIOLOGICAL RESEARCH *Mr. Lasswell*
Second Semester. TTh 2:40-4:05.

Methods of investigation, including research design, data collection and interpretation. Examination of major sociological research monographs.

107. CRIMINOLOGY AND PENOLOGY
First Semester. TThS 10. (Omitted in 1967-68; offered in 1968-69.)
Types of criminal behavior. Special consideration of juvenile delinquency. Factors contributing to crime and methods of dealing with criminals.

110. RACE RELATIONS

Mr. Lasswell

First Semester. TThS 10.

Problems of minority groups, and programs of action, with emphasis upon the American experience.

115. URBAN SOCIOLOGY

Second Semester. MWF 11. (Omitted in 1967-68.)

A study of urban communities with reference to their origins, their ecological and demographic characteristics, and their institutional structures. Special consideration given to intrapersonal and interpersonal consequences of living in cities and to problems of urban redevelopment and planning.

125. SOCIOLOGY OF KNOWLEDGE

First Semester. MWF 11. (Omitted in 1967-68.)

The study of symbols, concepts, and ideologies with special reference to the role of societal conditions in their origins and changes, as seen in the work of Durkheim, Weber, Mannheim, and Mills.

130. POLITICAL SOCIOLOGY

Mr. McPherson

First Semester. MW 1:15-2:30.

Critical evaluation of recent theories of political behavior. Analysis of the group basis of political participation and voting.

140. SOCIAL ORGANIZATION

Mr. McPherson

Second Semester. MWF 11.

Social structure of large-scale organizations, including both formal and informal organization. Analysis of types of organizations and their relations with the individual, the community, and the society.

153. SOCIAL MOVEMENTS

Mr. McPherson

Second Semester. MWF 9.

Analysis of mass behavior, including the ideology and dynamics of selected social movements. Special examination of the origins of religion and political extremism.

154. SEMINAR IN MODERN SOCIAL THEORY

Mr. McPherson

First Semester. MWF 11.

The rise of modern sociology, with emphasis on the major contributions from Europe and America since 1900.

161. SOCIAL STRATIFICATION

Mr. McPherson

Second Semester. MW 1:15-2:30.

Class, status, and power relations in society. Analysis of caste, social class, and social mobility.

175. GROUP INTERACTION

Mr. Lasswell

First Semester. TTh 2:40-4:05.

Study of processes of interpersonal response behavior, with emphasis on small groups and social psychiatry.

194. SOCIAL ORGANIZATION OF A REGION

Staff

Offered only to students accepted for the Pomona Semester Abroad. Consult statement of the departmental program for detailed requirements.

199. SELECTED TOPICS. (Omitted in 1967-68.)
Each Semester. Arranged. Permission of instructor required. Course or half-course. Open to upper division students with a grade average of B or better in Sociology.

AVAILABLE AT PITZER COLLEGE

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| 108. SOCIAL STRUCTURE AND ECONOMIC DEVELOPMENT IN LATIN AMERICA
Second Semester. | <i>Mr. Johnson</i> |
| 123. COLLECTIVE BEHAVIOR. First Semester. MW 1-2:15. | <i>Mr. Schwartz</i> |
| 130. SELECTED TOPICS IN MARRIAGE AND THE FAMILY
First Semester. TTh 2:45-4:00. Half-course. | <i>Mrs. Ellis</i> |
| 139. DEVIANT BEHAVIOR. Second Semester. | <i>Mr. Schwartz</i> |
| 146. CONTROL OF CRIME AND DELINQUENCY
First Semester. MW 11-12:15. | <i>Mr. Carroll</i> |
| 149. SELF AND SOCIETY. Second Semester. | <i>Mr. Carroll</i> |
| 170. THE COMMUNITY STUDY. Second Semester. | <i>Mr. Ellis</i> |

AVAILABLE AT SCRIPPS COLLEGE

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| III-121. SOCIAL WELFARE. Second Semester. | <i>Mrs. Barrett</i> |
| III-122. MARRIAGE AND THE FAMILY. First Semester. W 1:15-3:30. | <i>Mrs. Barrett</i> |
| III-180. INSTITUTIONAL STRUCTURE. Second Semester. Arranged. | <i>Mrs. Barrett</i> |

ANTHROPOLOGY

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| 51. SOCIAL ANTHROPOLOGY
Each Semester. MWF 8. | <i>Mr. Sytek</i> |
| The comparative study of kinship, religion, law, and other social institutions. Analyses will be based upon monographs that have shaped the development of social anthropology. (Credit not given for both Anthropology 51 and Sociology 51.) | |
| 53. HUMAN AND CULTURAL EVOLUTION
Second Semester. TThS 9. (Omitted in 1967-68.) | |
| An introductory study of fossil men and of primitive cultures, with analysis of the evolutionary significance of the emergence of cultural traditions. | |
| 57. INTRODUCTION TO PHYSICAL ANTHROPOLOGY
Each Semester. TThS 10. | <i>Mr. Chrisman</i> |
| Comparative study of human and primate morphology in relation to human behavior and social organization. | |

102. SOUTH AMERICAN INDIANS *Mr. Chrisman*
 First Semester. MW 2:15-3:30.
 Study of ethnography of selected tribes and communities of South America.
104. LANGUAGE AND CULTURE *Mr. Chrisman*
 Second Semester. MW 2:40-4:05.
 Introduction to descriptive and historical linguistics and to problems in the study of language and culture.
106. CULTURE IN PERSONALITY *Mr. Sytek*
 First Semester. TThS 9.
 Study of the role of culture and social structure as a framework for personality formation and interaction.
131. ECONOMIC ANTHROPOLOGY
 First Semester. TThS 9. (Omitted in 1967-68.)
 Study of the relationship between different economic situations and broad types of social organization, concentrating on the difference between nomadic and settled agrarian societies.
135. APPLIED ANTHROPOLOGY *Mr. Chrisman*
 First Semester. MWF 10.
 Case studies in the application of anthropological theories and research techniques in programs of economic development and cultural change.
137. PRIMITIVE LAW AND GOVERNMENT *Mr. Chrisman*
 Second Semester. MWF 10.
 Comparative study of systems of authority and rule in non-Western societies.
142. AFRICA SOUTH OF THE SAHARA *Mr. Sytek*
 First Semester. MWF 1:15.
 Study of representative political and ethnic groups in Africa south of the Sahara.
144. AFRICAN POLITICAL SYSTEMS *Mr. Sytek*
 Second Semester. MWF 1:15.
 Comparative study of the traditional political organization of selected African tribes and kingdoms.
160. SOCIAL AND CULTURAL CHANGE *Mr. Sytek*
 Second Semester. TThS 9.
 Ecological and economic concomitants of change in social, political, and ideological systems of selected peoples.

AVAILABLE AT PITZER COLLEGE

101. TECHNIQUES OF ARCHEOLOGY. Second Semester. *Mr. Belmont*
130. CULTURES OF THE WORLD AND UNITED STATES CULTURE *Mr. Munroe*
 Second Semester.
140. FAMILY SYSTEMS. First Semester. TThS 10. *Mr. Park*
150. REVITALIZATION MOVEMENTS. First Semester. TTh 1:15-2:30. *Mr. Sharer*

Theater Arts

Courses designed primarily for non-concentrators include Introduction to the Theater (17), The History of Performance (51), Introduction to Acting (1a,b), Introduction to Problems in Design (2a,b), and a half-course, Problems in Theatrical Production (13). These courses are designed to introduce the liberal arts student to theater as a traditional art form.

CONCENTRATION: The concentration program is designed both for the pre-professional student preparing for a career as a performer, teacher, or scholar, and for the student who has other vocational plans but wishes to major in theater arts as an undergraduate.

Lower division: A choice of three courses from Theater Arts 1a,b, 2a,b, 17 and 51 is strongly recommended. Each student's program will be arranged according to his interest and ability.

Upper division: A program of concentration in Theater Arts consists of four semesters of upper division studio work and three upper division courses in dramatic literature. A reading knowledge of one foreign language and comprehensive study of the dramatic literature of that country are strongly recommended.

All concentrators will be expected to pass a comprehensive examination in theater history and dramatic literature, as well as a practical examination in their particular area of performance.

1a,b. INTRODUCTION TO ACTING

Mr. Doe and Staff

MWF 2:15-4:05.

Introduction to acting theories and to the problems of characterization; learning to use the voice and body as instruments, and learning the fundamental techniques of performance.

2a,b. INTRODUCTION TO PROBLEMS IN DESIGN

Mr. Devine

TTh 2:15-4:05.

Introduction to design theory and to the problems of translating a literary idea into the visual basis of a stage production, concentrating on set design, costume design, light design, and basic stagecraft.

13. PROBLEMS IN THEATRICAL PRODUCTION

Staff

Each Semester. Arranged. Half-course.

An investigation of the practical problems involved in staging the plays chosen for production each year. Students enrolled in the course must participate, in some capacity, in the production of the plays. May be repeated once for credit.

17. INTRODUCTION TO THE THEATER

Mr. Doe and Mr. Devine

First Semester. MWF 10.

A comprehensive analysis of the theater medium, its relationship to dramatic literature, and its relationship to the other arts.

51. THE HISTORY OF PERFORMANCE

Mr. Doe

Each Semester. MWF 10.

Study of the theoretical and sociological relationships between the artist and his audience, tracing the simultaneous development of the several arts in a major period of history. The semester will culminate in a production from the period studied.

140. STUDIO OF THEATER DESIGN

Mr. Devine

Each Semester. TTh 2:15-4:05.

A theoretical and practical study of the use of space, light, and materials in scene design. Course is based on individual projects geared to the student's experience, ability, and areas of interest.

141. STUDIO IN ACTING AND DIRECTING

Mr. Doe

Each Semester. MWF 2:15-4:05.

An intensive study of acting theory, acting technique, and basic directing practices. Course includes one hour of voice training by a professional voice teacher and one hour of movement training by a professional dancer each week.

194. READINGS AND RESEARCH IN THEATER

Mr. Doe

Arranged.

Reading and research programs for students capable of independent study in theater history, theory, and other fields not included in regularly scheduled courses. May be repeated once for credit.

195. ADVANCED PROBLEMS IN ACTING, DIRECTING, AND DESIGN

Each Semester. Six hours arranged.

Mr. Doe and Staff

A course open to seniors only for the purpose of developing individual projects approved by the instructor.

COURSES IN DRAMATIC LITERATURE: See English 155, 161, 164.

SPEECH

17. INDIVIDUAL PROBLEMS IN SPEECH

Mr. Dugan

Each Semester. Arranged. No credit.

Individual tutoring sessions, organized in six week cycles, to help those whose effectiveness as speakers could be improved. Also recommended for those foreign students who need greater facility with the spoken language.

AVAILABLE AT CLAREMONT MEN'S COLLEGE

180. DEVELOPMENT OF THEATRE AND DRAMA I & II. MWF 11.

Mr. Swan

Zoology

Specialized equipment available for individual research projects includes: electron-, interference-, and phase-microscopes, various centrifuges including a high-speed refrigerated centrifuge and a continuous-flow centrifuge, isotope laboratory and counting rooms, constant temperature rooms, electrophoresis apparatus, spectrophotometer, and other specialized physiological apparatus, two animal rooms, and aquaria with circulating fresh and sea water. All teaching laboratories are furnished with fine optical equipment.

CONCENTRATION REQUIREMENTS: Zoology 51 or equivalent and six upper division Zoology courses; Chemistry 1a,b and 110a,b or their equivalents; one year of college physics. No more than two courses of Zoology 189 or two courses of Zoology 199 or no more than a total of three courses selected from a combination of Zoology 189 and Zoology 199 can be applied toward the concentration. For information concerning college preparation for careers in medical or allied sciences, or for advanced work in the various specialties of Zoology, consult the department.

JOINT CONCENTRATION IN CHEMISTRY AND ZOOLOGY: see Chemistry.

Zoology 51, or 99, or equivalent is prerequisite for all advanced courses.

51. GENERAL ZOOLOGY

Mr. Amrein

Each Semester. Lectures, first semester, TThS 8; lectures, second semester, MWF 11; laboratory T or W 1:15-4:05. Spring semester limited to 48 students. Fee \$8.00.

An introduction to modern zoology with special reference to molecular, physiological, developmental, genetic, and evolutionary aspects. Laboratory exercises involve studies of phenomena which best illustrate important zoological principles.

100. AQUATIC BIOLOGY

Mr. Hadfield

Second Semester. Lectures, WF 11; laboratory, WF 1:15-4:05. Prerequisite: Permission of instructor. Fee \$10.00.

Lectures, laboratory and field work stressing the characteristics of different environments and the adaptations, both morphological and physiological, of invertebrates to the environment.

112. GENETICS

Mr. Cohen

First Semester. Lectures, TThS 8; laboratory, W 1:15-4:05. Prerequisites: organic chemistry, which may be taken concurrently, and permission of instructor. Fee \$8.00.

General principles of heredity with emphasis on molecular genetics.

113. POPULATION GENETICS

Mr. Resseguie

Second Semester. Lectures, MWF 9; laboratory, M 2:15-5:05. Fee \$8.00. (Offered only in 1967-68.)

A study of heredity in natural and laboratory animal populations and some consideration of human populations.

115. VERTEBRATE PHYLOGENY AND MORPHOLOGY

Mr. MacMillen

First Semester. Lectures, TTh 9; laboratory, TTh 1:15-4:05. Fee \$10.00.

Comparative morphological studies of vertebrate evolution. Laboratory emphasis on modern vertebrates and lecture emphasis on paleontological evidence.

120. VERTEBRATE EMBRYOLOGY

Mr. Andrus

Second Semester. Lectures, TTh 9; laboratory, T or Th 1:15-4:05 plus 3 hours arranged. Fee \$8.00.

A study of animal development through organogenesis with emphasis on the vertebrates.

122. CELLULAR PHYSIOLOGY

Mr. Andrus

First Semester. Lectures, MWF 10; laboratory, T or W 1:15-4:05. Pre-requisite: Chemistry 1a,b or equivalent. Fee \$8.00.

A study of cellular dynamics including the interrelations between cells and their environments.

125. MICROTECHNIQUE

Mr. Resseguie

First Semester. T 1:15-4:05 and three hours arranged. Half-course. Fee \$8.00.

Theory and practice of the preparation of biological materials for study with various methods of microscopy.

126. HISTOLOGY

Mr. Resseguie

First Semester. Lecture, TTh 9, Th 1:15; laboratory, Th 2:15-4:05 and two hours arranged. Fee \$6.00.

Functional microscopic anatomy and fine structure of cells of representative animals.

135. MAMMALIAN ANATOMY

Mr. Ryerson

Second Semester. Lectures, TTh 10; laboratory, M 2:15-5:05, W 1:15-4:05. Fee \$8.00. (Not offered in 1967-68.)

The study of the functional and descriptive morphology of mammals illustrated by regional dissections of the cat in the laboratory.

151. INVERTEBRATE ZOOLOGY

Mr. Hadfield

First Semester. Lectures, MW 11; laboratory, M 2:15-4:05, W 1:15-4:05. Limited to 24 students. Fee \$10.00.

Structure, classification, biology and phylogeny of invertebrate animals, exclusive of insects and protozoa. Laboratory to emphasize observation of living forms.

157. ANIMAL ECOLOGY

Mr. MacMillen

Second Semester. Lectures, MWF 11; laboratory, F 1:15-4:05. Prerequisite: permission of instructor. Limited to 20 students. Fee \$8.00.

A study of the terrestrial environment and the vertebrates found therein, with particular emphasis on physiological and behavioral adaptations of desert vertebrates.

160. SYMBIOSIS

Mr. Amrein

Second Semester. Lectures, TTh 8; laboratory, Th 1:15-4:05. Limited to 24 students. Fee \$8.00.

A discussion and laboratory study of various symbiotic relationships among organisms including commensalism, mutualism and parasitism.

175. MATHEMATICAL AND STOCHASTIC BIOLOGY

Mr. Bentley

Second Semester. TTh 8. Prerequisites: Mathematics 32 or 50b, and 123. (Offered in alternate years; offered in 1967-68.)

A survey of mathematical and probabilistic models relating to biological phenomena of epidemiology, genetics, and physiology. The course is designed to emphasize the importance of mathematics in the biological sciences.

183. MACROMOLECULAR SYNTHESIS

Mr. Cohen

Second Semester. Lectures, MWF 10; laboratory W 1:15-4:05. Prerequisite: Zoology 112 or permission of the instructor. Limited to 24 students. Fee \$8.00.

Analysis of the structure of macromolecules and the peculiarities of macromolecular synthesis with particular emphasis on their role in genetic transmission, function and control.

189. SEMINARS IN SELECTED TOPICS IN ZOOLOGY

Staff

Each Semester. Arranged. Course or half-course. May be repeated, but only two courses can be applied toward concentration. Prerequisite: permission of instructor.

Seminars, conducted as small discussion groups, in specialized topics of mutual interest to students and staff not offered in formal courses.

199. INTRODUCTION TO RESEARCH IN ZOOLOGY

Staff

Each Semester. Arranged. Course or half-course. May be repeated, but only two courses can be applied toward concentration. Fee \$10.00 per course when laboratory work is involved.

Directed independent study in the various fields of zoology. Program open to selected students whose written project proposals have been approved by the department. These proposals are due one week prior to preregistration.

PHYSICAL BIOLOGY SEMINAR

Each Semester. Wednesdays at noon. No prerequisites. NC.

A series of lectures and discussions on topics in biology, physics, chemistry and mathematics related to the biophysical sciences. (See Biophysical Sciences Program, page 98.)

STATISTICS FOR THE BIOLOGICAL AND SOCIAL SCIENTIST.

See Mathematics 123.

MARINE BIOLOGY

The following two courses are offered during the summer at the Kerckhoff Marine Laboratory, Corona del Mar.

Students are expected to take both courses which together make an intensive field course in marine biology. Tuition for the two courses is \$125. For prerequisites and further information contact Mr. Hadfield.

S130. MARINE INVERTEBRATES

A study of invertebrates residing in the sea: their phylogenetic relationship, their morphology, and their physiology. Laboratory devoted principally to Pacific Coast types.

S150. MARINE ECOLOGY

Half-course.

A study of marine invertebrates as they exist in the field. Discussion of the distribution of each species observed and the factors which may account for these distributional patterns.

COURSES AVAILABLE IN OTHER CLAREMONT COLLEGES

This list of courses consists mainly of those which do not duplicate offerings at Pomona College. For additional courses open to intercollegiate registration, consult the mimeographed list used for pre-registration or the catalogs of the other Claremont Colleges. If a course duplicates one offered at Pomona College, credit will be allowed either for the Pomona course or the course in the other college, but not for both.

For laboratory fees and prerequisites see the course descriptions in the catalogs of the Colleges offering the courses.

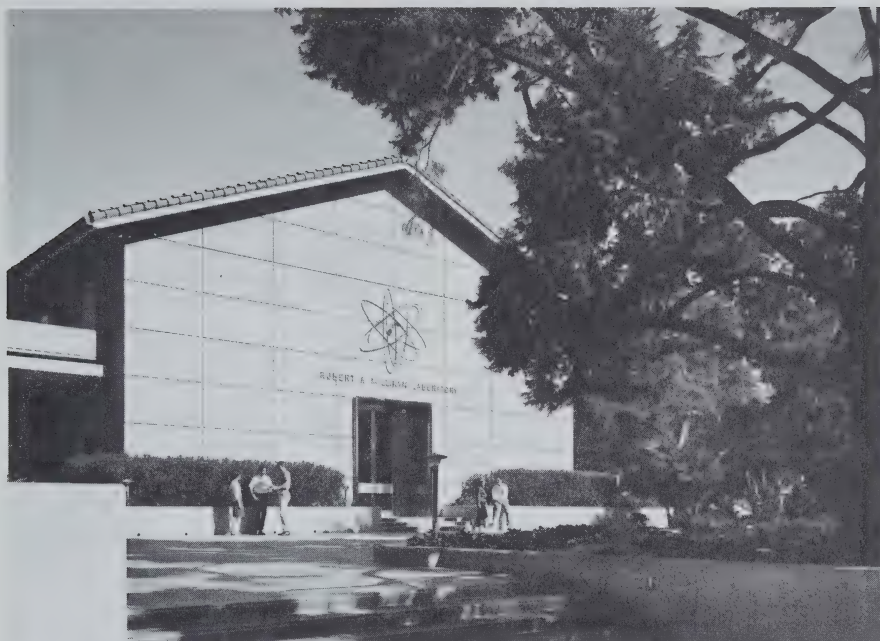
SCRIPPS COLLEGE

- V-57. HUMAN REPRODUCTION AND INDIVIDUAL DEVELOPMENT *Dr. Griggs*
Second Semester. MWF 8. (For women students.)

JOINT SCIENCE PROGRAM

CLAREMONT MEN'S COLLEGE, PITZER COLLEGE, SCRIPPS COLLEGE

- S43. INTRODUCTORY BIOLOGY I *Miss Mathies and Staff*
First Semester. Lectures, MWF 10; laboratory, MTWTh or F 1-3 or 3-5.
- S44. INTRODUCTORY BIOLOGY II *Mr. Guthrie and Staff*
Second Semester. Lectures, MWF 10; laboratory, MTWTh or F 1-5.
- S125. MICROBIOLOGY *Miss Mathies*
Second Semester. Lectures, TThS 8; laboratory, M 2:15-5.
- S141. COMPARATIVE ANATOMY OF THE VERTEBRATES *Mr. Guthrie*
First Semester. Lectures, MWF 8; laboratory, T 1-5.
- S142. COMPARATIVE VERTEBRATE PHYSIOLOGY *Mr. Coles*
Second Semester. Lectures, MWF 8; laboratory, W 1-5.
- S145. ORGANIC EVOLUTION (Seminar) *Mr. Guthrie*
Second Semester. M 7:30-10.
- S146. ECOLOGY. First Semester. Lectures, TTh 10; laboratory, F 1-5. *Mr. Eriksen*
- S147. BIOLOGY OF EXTREME ENVIRONMENTS (Seminar) *Mr. Eriksen*
Second Semester. Arranged.
- S149. VERTEBRATE BIOLOGY (Seminar). First Semester. W 7:30-10. *Mr. Coles*
- S162. BIOLOGY OF VIRUSES (Seminar). First Semester. Arranged. *Miss Mathies*



Robert A. Millikan Laboratory, part of the
Seaver Science Center



Carnegie Building, for the Social Sciences

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THE CLAREMONT COLLEGES

POMONA COLLEGE

- 1 Harwood Garden
- 2 Walker Hall
- 3 Smith Tower
- 4 Frary Hall
- 5 Clark Hall
- 6 Norton Hall
- 7 Athearn Field
- 8 Seaver Laboratory—
Biology, Geology
- 9 Seaver Laboratory—
Chemistry
- 10 Millikan Laboratory
- 11 Mason Hall
- 12 Crookshank Hall
- 13 Pearsons Hall
- 14 Holmes Hall
- 15 Edmunds Student Union
- 16 Smiley Hall
- 17 Memorial Pool and
Gymnasium
- 18 Alumni Field
- 19 Carnegie Building
- 20 Marston Quadrangle
- 21 Renwick Gymnasium
- 22 Replica House
- 23 Brackett Observatory;
Astronomy Laboratory
- 24 President's House
- 25 Claremont Inn
- 26 Montgomery Art Bldg.
- 27 Rembrandt Hall
- 28 Bridges Hall of Music
- 29 Sumner Hall (Admin.)
- 30 Oldenborg Center;
Residence Hall
- 31 Wig Hall
- 32 Harwood Court
- 33 Harwood Dining Hall
- 34 Olney Dining Hall
- 35 Blaisdell Hall;
Mudd Hall
- 36 Gibson Dining Hall
- 37, 38 Men's Residences
- 39 Greek Theater
- 40 Gladys Pendleton
Swimming Pool
- 41 Merritt Field
- 42 Rogers Tennis Courts

CLAREMONT GRADUATE SCHOOL & UNIVERSITY CENTER

- 1 Science Bldg. (HMC)
- 2 Graduate Residence
Halls
- 3 Baxter Science Lab.
- 4 Harper Hall (Admin.)
- 5 Harper Hall East
(Admin.)
- 6 McManus Hall
- 7 Dean's House
- 8 President's House
- 9 Harvey Mudd
Quadrangle

CLAREMONT MEN'S COLLEGE

- 1 President's House
- 2 Pitzer Hall (Admin.)
- 3 Pitzer Hall North
- 4 Pitzer Hall South
- 5 McKenna Coffee Shop
- 6 McKenna Auditorium
- 7 The Student Store
- 8 Wohlford Hall
- 9 Boswell Hall
- 10 Appleby Hall
- 11 Green Hall
- 12 Story House
- 13 Collins Hall
- 14 Claremont Hall
- 15 Beckett Hall
- 16 Berger Hall
- 17 Marks Hall
- 18 Benson Hall
- 19 Parents' Field
- 20 North Field
- 21 Voit Pool and Field
House
- 22 Gymnasium
- 23 South Field

HARVEY MUDD COLLEGE

- 1 Thomas-Garrett Hall
- 2 Platt Campus Center
- 3 Kingston Hall (Admin.)
- 4 Swimming Pool
- 5, 6, 7 Dormitories
- 8 President's House

PITZER COLLEGE

- 1 Scott Hall (Admin.)
- 2 Bernard Hall
- 3, 5 (Future) Academic
Buildings
- 4 Fletcher Hall
- 6 Sanborn Hall
- 7 Holden Hall
- 8 Residence Hall

SCRIPPS COLLEGE

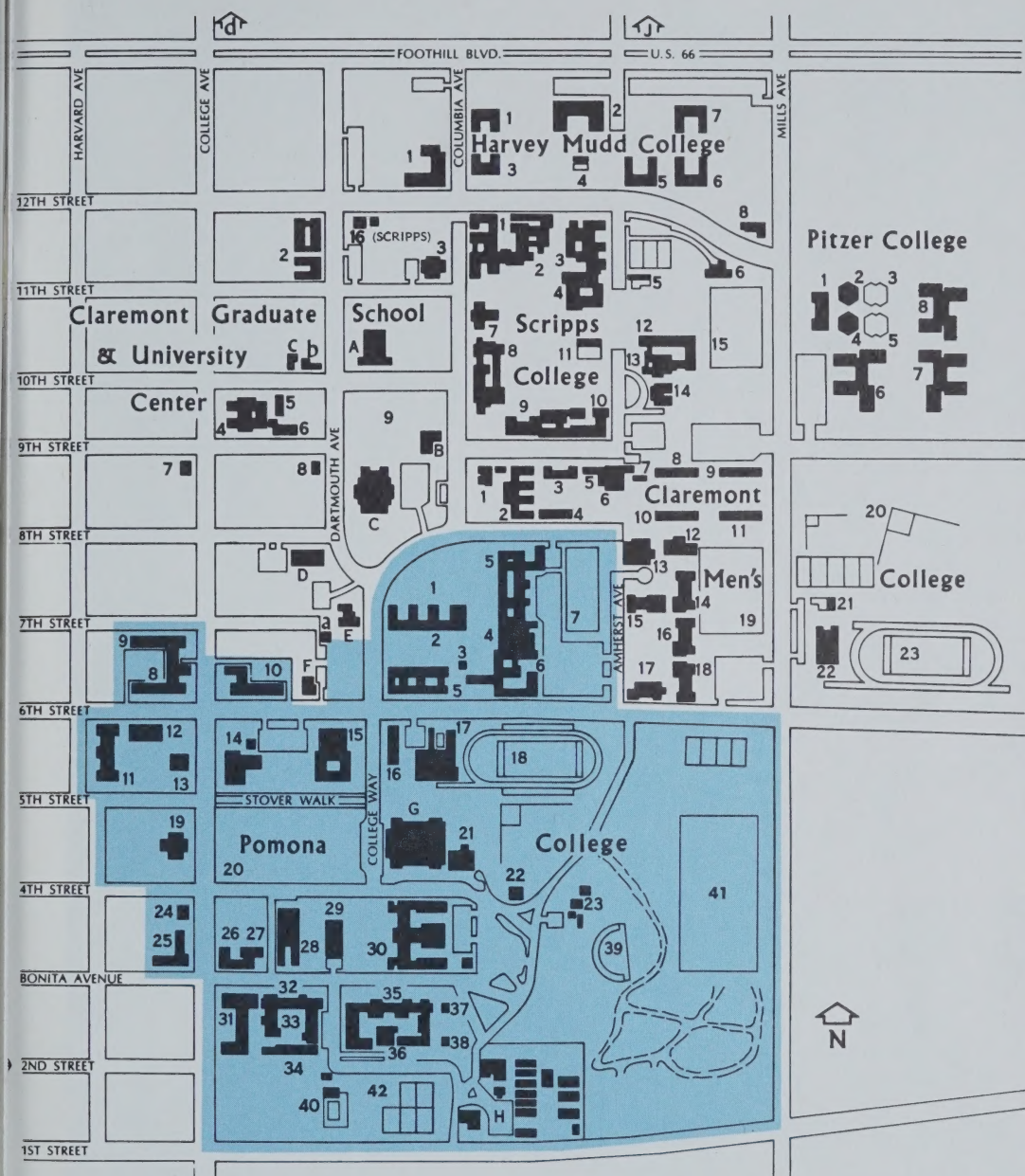
- 1 Grace Scripps Hall
- 2 Toll Hall
- 3 Browning Hall
- 4 Dorsey Hall
- 5 Swimming Pool
- 6 Service Building
- 7 Denison Library
- 8 Balch Hall (Admin.)
- 9 Lang Art Building
- 10 Music Building and
Dance Studio
- 11 Margaret Fowler
Garden
- 12 Kimberly Hall
- 13 Wilbur Hall
- 14 President's House
- 15 Alumnae Field
- 16 Eyre Nursery School

JOINT FACILITIES

- A Garrison Theater
- B McAlister Religious
Center
- C Honnold Library
- D Pendleton Business
Building
- E Faculty House
- F Baxter Medical Bldg.
- G Bridges Auditorium
- H Maintenance Shops
and Campus Security
- J Memorial Infirmary

AFFILIATED INSTITUTIONS

- a Francis Bacon Library
- b College Student
Personnel Institute
- c Blaisdell Institute
- d Rancho Santa Ana
Botanic Garden



To reach the Colleges from Foothill Boulevard (U.S. 66) turn south on Dartmouth Avenue. From the San Bernardino Freeway, turn off at Indian Hill Boulevard and drive north one mile to Second Street and east three blocks on Second Street.

Within The Claremont Colleges the major routes are marked "Campus Drive" and lead to the administration buildings of the Colleges.

The administration and admissions offices of Pomona College are in Sumner Hall (number 29 in the Pomona section of the map).

UNIVERSITY OF ILLINOIS-URBANA



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